



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/  
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# 30 Rüeggell's Vulture

*Gyps rueppellii*

IUCN Status **Critically Endangered**  
 IUCN (2019-2)

male mass = 7200 g  
 female mass = 7600 g  
 mean mass = 7400 g

area requirement (of pair/2.2 individuals) = 152.4 km<sup>2</sup>

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 <sup>2</sup> )	individuals	pairs
suboptimal 25-50% suitable	3167365	22862	10392
good habitat 50-70% suitable	725834	10478	4763
optimal habitat 70-100% suitable	129398	3736	1698
total habitat 25-100% suitable	4022597	37075	13903

## reporting rate from mobile app survey data

2014 (26724 km) : 0.426588 birds per 100 km  
 2015 (87188 km) : 0.129605 birds per 100 km  
 2016 (81150 km) : 0.49045 birds per 100 km  
 2017 (57721 km) : 0.982317 birds per 100 km  
 2018 (19798 km) : 0.136381 birds per 100 km

