



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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500 Red-necked Buzzard

Buteo auguralis

IUCN Status Least Concern
IUCN (2019-2)

male mass = 575 g
female mass = 740 g
mean mass = 650 g

area requirement (of pair/2.2 individuals) = 15.2 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	1774830	128442	58383
good habitat 50-70% suitable	363727	52645	23930
optimal habitat 70-100% suitable	59972	17360	7891
total habitat 25-100% suitable	2198529	198447	74417

reporting rate from mobile app survey data

2014 (26724 km) : birds per 100 km
2015 (87188 km) : 0.002294 birds per 100 km
2016 (81150 km) : 0.003697 birds per 100 km
2017 (57721 km) : 0.02079 birds per 100 km
2018 (19798 km) : birds per 100 km

