



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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800 Black Sparrowhawk

Accipiter melanoleucus IUCN Status **Least Concern**
IUCN (2019-2)

male mass = 460 g
female mass = 820 g
mean mass = 650 g

area requirement (of pair/2.2 individuals) = 16.8 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	3396436	222386	101085
good habitat 50-70% suitable	926153	121282	55128
optimal habitat 70-100% suitable	238093	62358	28345
total habitat 25-100% suitable	4560682	406025	152259

reporting rate from mobile app survey data

2014 (26724 km) : 0.05613 birds per 100 km
2015 (87188 km) : 0.086021 birds per 100 km
2016 (81150 km) : 0.205792 birds per 100 km
2017 (57721 km) : 0.233885 birds per 100 km
2018 (19798 km) : 0.146483 birds per 100 km

