



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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# 730 Shikra

*Accipiter badius*

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

male mass = 125 g  
female mass = 140 g  
mean mass = 132 g

area requirement (of pair/2.2 individuals) = 3.2 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	7990951	2746889	1248586
good habitat 50-70% suitable	2104131	1446590	657541
optimal habitat 70-100% suitable	161381	221899	100863
total habitat 25-100% suitable	10256463	4415378	1655767

### reporting rate from mobile app survey data

2014 (26724 km) : 0.026194 birds per 100 km  
2015 (87188 km) : 0.02638 birds per 100 km  
2016 (81150 km) : 0.028343 birds per 100 km  
2017 (57721 km) : 0.038115 birds per 100 km  
2018 (19798 km) : 0.035358 birds per 100 km

