



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: 15:07:28

940 Eleonora's Falcon

Falco eleonora

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

male mass = 370 g
female mass = 410 g
mean mass = 390 g

area requirement (of pair/2.2 individuals) = 8.6 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	514536	65813	0
good habitat 50-70% suitable	214794	54947	0
optimal habitat 70-100% suitable	74969	38356	0
total habitat 25-100% suitable	804299	159116	0

reporting rate from mobile app survey data

2014 (26724 km) : 0.007484 birds per 100 km
2015 (87188 km) : birds per 100 km
2016 (81150 km) : 0.028343 birds per 100 km
2017 (57721 km) : birds per 100 km
2018 (19798 km) : birds per 100 km

