



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: 14:29:23

790 Red-thighed Sparrowhawk

Accipiter erythropus

IUCN Status Least Concern
IUCN (2019-2)

male mass = 83 g
female mass = 120 g
mean mass = 100 g

area requirement (of pair/2.2 individuals) = 2.8 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 | 1867911 | 733822 | 333555 |
| good habitat 50-70% suitable | 903080 | 709563 | 322529 |
| optimal habitat 70-100% suitable | 196102 | 308160 | 140073 |
| total habitat 25-100% suitable | 2967093 | 1751545 | 656829 |

reporting rate from mobile app survey data

2014 (26724 km) : birds per 100 km
2015 (87188 km) : birds per 100 km
2016 (81150 km) : birds per 100 km
2017 (57721 km) : birds per 100 km
2018 (19798 km) : 0.005051 birds per 100 km

