



ARDB 2019. AFRICAN RAPTOR DATABANK:
 a secure, live data observatory for the
 distribution and movements of African raptors.
 Habitat Info Ltd, Solva, UK.
 www.habitainfo.com/ardb_observatory/
 02/12/2019: 17:13:52

1480 Pemba Scops-owl

Otus pembraensis

IUCN Status **Vulnerable**
 IUCN (2019-2)

male mass = g
 female mass = 90 g
 mean mass = g

area requirement (of pair/2.2 individuals) = 2.2 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	0		
good habitat 50-70% suitable	0		
optimal habitat 70-100% suitable	1301723		
total habitat 25-100% suitable	1301723		

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) : birds per 100 km

