

## Morphometrics:

	Males	Females
Wing:	499 – 550 mm	500 – 540 mm
Tail:	197 – 230 mm	202 – 223 mm
Bill (tip to skull):	108.0 – 121 mm	109 – 116 mm
Tarsus:	78 – 92 mm	80 – 87 mm
Middle Toe:	128.0 – 154.3 mm	126 – 137 mm
Weight:	3.380 – 3.700 kg	2.800 – 3.200 mm

## Ageing:

- Juvenile plumage has a dark grey crown, nape and throat which is less blue than adult, cheeks whiten with wear and a very dark underwing (see illustration above);
- The head and neck of Immatures is similar to juveniles but becomes progressively lighter for the first 4 years and most attain the blue-grey colour of adults at 5 years;
- The underwing plumage pattern of immatures changes gradually through successive moults from that of juveniles to have progressively more white and achieves complete underwing pattern of adults at about 8 years of age;

Age of first breeding is at least 7 years, but mean is 13 years old.

## Sexing:

Although HANZAB documents the measurements of both male and female birds captured and measured alive in the field, the method of sexing was not known;Both sexes equally share incubation.