

Timing and duration of moults is not known, so age of an immatures first attaining adult plumage and first breeding is not known. However, there are juvenile and immature plumage phases and adult plumage is attained gradually by balding and colouring of plumage. Thus adults will be at least in their second year.

Differences between plumage and bare parts of adults and juveniles /Immatures are: Adult Male Adult Female Juvenile/Immature fuscous black to black; Bill: blackish grey with pale olive as for male; to blackish rugose plates; Palate: back - dark grey, front dark grey; olive-grey; Iris[.] dark brown; dark brown; umber - turning brown; Head & foreneck: bare grey-black skin; grevish-black skin; black-brown to dark brown; Hindneck: dark brown with glossy as for male; dark brown; dark green tips; glossy dark green, basally Upper breast complete wide dark upper breast dark brown dark brown forming band of feathers:

incomplete band across breast centrally white; Upper tibia: light pink with black lines; bright red-pink; blackish grey; Rest of legs: blackish red; dull greyish-red; blackish grey;

Adult males have a definitively longer bill than adult females; Both sexes incubate.