

First record of Solomons Nightjar *Eurostopodus nigripennis* for Malaita, with a description of its nest site

Authors: Alabai, Maasafi, Esau, Tommy, Kekeubata, Esau, Waneagea, Jackson, MacLaren, David, et al.

Source: Bulletin of the British Ornithologists' Club, 139(4) : 325-327

Published By: British Ornithologists' Club

URL: <https://doi.org/10.25226/bboc.v139i4.2019.a4>

BioOne Complete (complete.BioOne.org) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at www.bioone.org/terms-of-use.

Usage of BioOne Complete content is strictly limited to personal, educational, and non - commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit publishers, academic institutions, research libraries, and research funders in the common goal of maximizing access to critical research.

First record of Solomons Nightjar *Eurostopodus nigripennis* for Malaita, with a description of its nest site

by Maasafi Alabai, Tommy Esau, Esau Kekeubata, Jackson Waneagea, David MacLaren, Richard E. Major & Corey T. Callaghan

Received 3 June 2019; revised 7 September 2019; published 16 December 2019

<http://zoobank.org/urn:lsid:zoobank.org:pub:3442FABE-4433-43D2-BCC2-E0DC25A32A69>

SUMMARY.—Solomons Nightjar *Eurostopodus nigripennis*, listed as Vulnerable by BirdLife International, has previously been recorded only from the north and central Solomon Islands. Even within the species' known range there are few records, limiting knowledge of its ecology. We provide photographic evidence of a Solomons Nightjar nest in a streambed on the island of Malaita at an altitude of c.270 m—the first record on this large island. This observation, combined with traditional local knowledge, suggests that the species may have a wider range of nesting habitat than previously documented, and that further surveys in collaboration with local tribespeople could be important for conservation efforts.

Nightjars are generally crepuscular or nocturnal, and this, combined with their cryptic plumage, results in many gaps in our knowledge of the family as a whole (Holyoak 2001, Hadden 2004). One of the least-known species is Solomons Nightjar *Eurostopodus nigripennis* (Cleere 2010, Dutson 2011). Here, we report the first record of the species for the island of Malaita, in the Solomon Islands, précis the available literature, and summarise what is known by local tribespeople.

On the afternoon of 5 September 2018, while searching for study sites for a collaborative bird survey of East Kwaio, Malaita (Callaghan *et al.* 2019), MA found an unidentified egg (Fig. 1a.) on the ground at 08°59'43.7994"S, 160°58'58.0794"E. MA installed a camera trap in the vicinity (Fig. 1b). When the footage was reviewed, it was discovered that the egg belonged to Solomons Nightjar (Fig. 1c), known as *baababa* in the local Kwaio language. The adult, photographed on 6 September 2018, was identified by the lack of white markings on the wing and tail, and a pale collar extending to the nape (Fig. 1c–e). According to Dutson (2011), the only other potential caprimulgid in this region (based on nearest known range) is Large-tailed Nightjar *Caprimulgus macrurus*, which has white patches in the tail. White-throated Nightjar *Eurostopodus mystacalis* was also excluded based on wing pattern (Dutson 2011). Local tribal people stated there was only one type (species) of *baababa* in the vicinity. The habitat consisted of a streambed, c.270 m above sea level (Fig. 1f), surrounded by secondary forest. The bird abandoned the nest, and the egg remained *in situ* one week post-abandonment before disappearing. A nightjar was subsequently seen in December 2018 and January 2019 in the vicinity. Local tribal leaders stated that the *baababa* is not found any higher in the valley than the September 2018 sighting, and is only occasionally seen along the riverbed and in adjacent abandoned gardens.

This represents the first documentation of the species for the island of Malaita, and one of only a handful of records throughout its global distribution (Hadden 2004). Even within its previously documented range (north and central Solomon Islands; Cleere 2010), its status is poorly known. Solomons Nightjar is classified as Vulnerable by the IUCN, based on its 'very small, declining population, within which all subpopulations are likely to be very small' (BirdLife International 2019). Local people in the vicinity described the *baababa*

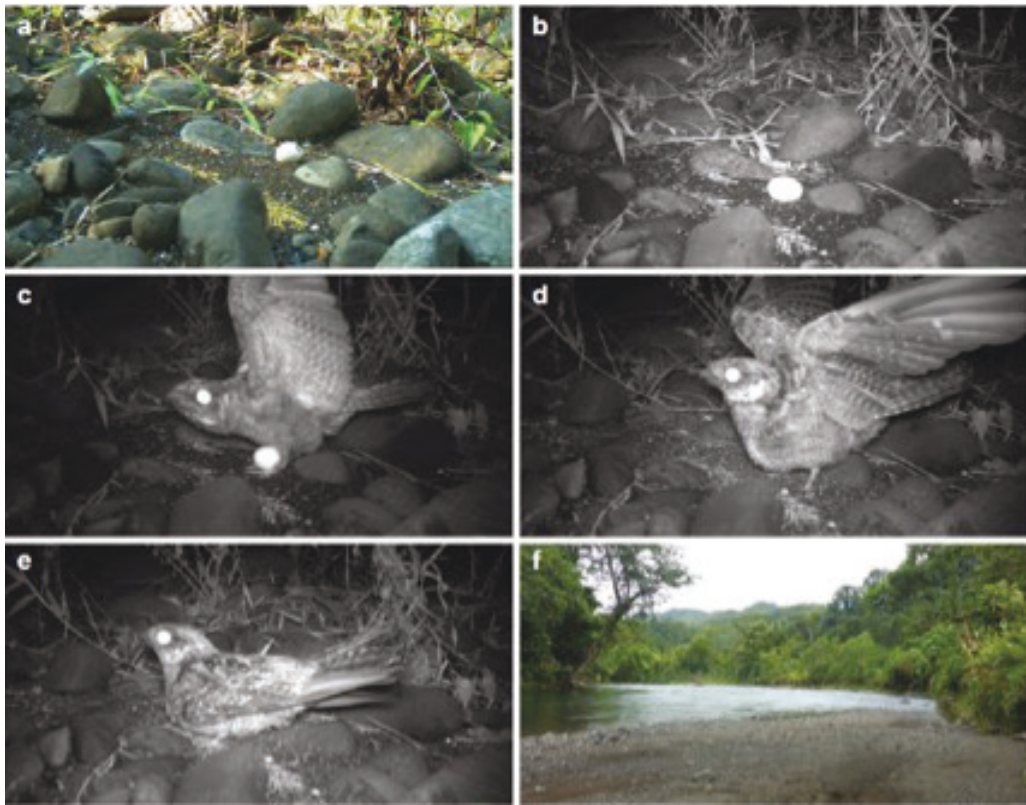


Figure 1. Solomons Nightjar *Eurostopodus nigripennis*, East Kwaio, Malaita, September 2018, showing (a) egg when initially discovered (Maasafi Alabai), (b) egg on camera trap, (c) adult standing over egg, (d) adult showing white throat and lack of white in tail, (e) adult showing pale collar extending to nape, and (f) riverbed where the nest was located (Maasafi Alabai)

as very rare, wary of people, well camouflaged by day and only seen at night. Consistent with this, there are currently only four records in the global database eBird (<https://ebird.org/species/solnig1>). Read (2013) also noted a paucity of records of Solomons Nightjar in the literature, with an apparent hotspot on Tetepare Island which has a long-standing conservation programme. That just one egg is laid matches both traditional and scientific knowledge of this species' behaviour (Cleere 2010). Solomons Nightjar is most commonly found nesting on beaches (Mayr 1945, Coates 1985, Read 2013), but this individual was nesting in a dry streambed, following the seasonal floods. The streambeds are relatively clear areas on sandy / pebble islands within rivers or on the banks of rivers. These small islands are usually vegetated with small shrubs. Local people stated that *baababa* do not venture into gardens with regular human activity or into rainforest. This record suggests that Solomons Nightjar may have a wider range of nesting habitats than previously documented, and that at least on Malaita, the birds adapt their egg-laying schedule based on the wet and dry seasons.

The species is of conservation concern, largely due to the lack of data (BirdLife International 2019). Potentially, this is at least in part because its vocalisations are very poorly known—with two descriptions (Gregory 2017) and no recordings—leading to a potential reduction in records (Mayr 1945). Even local people are unfamiliar with the calls / songs of the species, however they have heard *baababa* chicks uttering a hiss. Interestingly, *baababa* is a 'tabu' bird in Kwaio culture, so this species is not hunted and its eggs cannot be

eaten, meaning that less about its behaviour is known than for other species. Furthermore, the word *baababa* describes the characteristic of the bird that crouches over to 'hide'. Indeed, the Kwaio word for hide is 'baba'. Because of this, this bird is poorly known and only observed when it lays eggs and in the immediate environs of its nest.

In addition to the first record and nesting of Solomons Nightjar on Malaita to be reported in the scientific literature, we also highlight the low detection probability of this species throughout most of its potential range on Malaita because of its elusive behaviour, and the relative lack of scientific visits to the island in search of birds (Callaghan *et al.* 2019). We recommend dedicated surveys for Solomons Nightjar in collaboration with local tribal groups, which could ultimately better elucidate the species' conservation status on Malaita and throughout the Solomons Islands.

Acknowledgements

We thank Nigel Cleere, Guy Dutton and Walter Boles for comments that improved the manuscript. For their hospitality and hard work in the field we are indebted to Bukele, Taawa'i, Dorothy, Etalamo, Faaisia, Fifanabe'u, Fotageni, Fou'asua, Jimsan, John, Kotoringi, Laete'esafi, Laminae'a, Lengari'i, Loni, Lo'ubata, Mageni, Naata, Nabe, Rubeamae, Sale, Susufia, Tagwa, Telegen and Wedi. Funding for our field work was provided by the Australian Museum Foundation, to whom we are extremely grateful.

References:

- BirdLife International. 2019. Species factsheet: *Eurostopodus nigripennis*. <http://datazone.birdlife.org/species/factsheet/22725672> (accessed 16 April 2019).
- Callaghan, C. T., Major, R. E. & Kekeubata, E. 2019. Birding trip report from Malaita, Solomon Islands. <https://australianmuseum.net.au/blog/amri-news/birding-trip-report-from-malaita-solomon-islands/>.
- Cleere, N. 2010. *Nightjars of the world*. Princeton Univ. Press.
- Coates, B. J. 1985. *The birds of Papua New Guinea*. Dove Publications, Alderley.
- Dutton, G. 2011. *Birds of Melanesia: Bismarcks, Solomons, Vanuatu and New Caledonia*. Christopher Helm, London.
- Gregory, P. 2017. *Birds of New Guinea. Including Bismarck Archipelago and Bougainville*. Lynx Edicions, Barcelona.
- Hadden, D. 2004. *Birds and bird lore of Bougainville and the north Solomons*. Dove Publications, Alderley.
- Holyoak, D. T. 2001. *Nightjars and their allies: the Caprimulgiformes*. Oxford Univ. Press.
- Mayr, E. 1945. *Birds of the southwest Pacific*. MacMillan Co., New York.
- Read, J. L. 2013. The birds of Tetepare Island, Solomon Islands. *Austr. Field Orn.* 30: 67–68.

Addresses: Maasafi Alabai, Kwainaa'isi Cultural Centre, Atoifi Postal Agency, East Kwaio, Malaita Province, Solomon Islands, e-mail: raymondmaasafi@gmail.com. Tommy Esau, Kwainaa'isi Cultural Centre, Atoifi Postal Agency, East Kwaio, Malaita Province, Solomon Islands, e-mail: fataiaman@gmail.com. Esau Kekeubata, Kwainaa'isi Cultural Centre, Atoifi Postal Agency, East Kwaio, Malaita Province, Solomon Islands, e-mail: esaukekeubata@gmail.com. Jackson Waneagea, Kwainaa'isi Cultural Centre, Atoifi Postal Agency, East Kwaio, Malaita Province, Solomon Islands. David MacLaren, College of Medicine and Dentistry, James Cook University, Cairns, Qld, Australia, e-mail: david.maclaren@jcu.edu.au. Richard E. Major, Australian Museum Research Institute, Australian Museum, Sydney, NSW, Australia, e-mail: richard.major@austmus.gov.au. Corey T. Callaghan, Centre for Ecosystem Science, School of Biological, Earth and Environmental Sciences, University of New South Wales Sydney, Sydney, NSW, Australia, e-mail: c.callaghan@unsw.edu.au