

# First Report in Pakistan: The Buff-barred Warbler *Phylloscopus pulcher* Blyth, 1845

Ali Hasaan<sup>1\*</sup> and Muhammad Altaf<sup>2</sup>

1. Department of Business Administration, NFC Institute of Engineering and Technology, Pakistan
2. Institute of Forest Sciences, The Islamia University of Bahawalpur, Pakistan

\*Corresponding author e-mail: [aali\\_hasaan@hotmail.com](mailto:aali_hasaan@hotmail.com)

**Citation:** Hassan, A., and M. Altaf. 2023. First Report in Pakistan: The Buff-barred Warbler *Phylloscopus pulcher* Blyth, 1845. Journal of Wildlife and Ecology. 7: 208-210.

Received in December, 2023

Accepted in December, 2023

The Buff-barred Warbler (Figure 1) belongs to the order Passeriformes and family Phylloscopidae. This species has a very broad distribution. The demographic trend appears to be steady. The population size has not been measured, however, it is unlikely to exceed the vulnerable criteria under the population size criterion. As a result of these factors, the species is classified as Least Concern. The species' worldwide population number has not been determined, however, it is said to be locally common. This species is distributed in Bhutan, China, India, Laos, Myanmar, Nepal, Thailand and Vietnam (Baker, 1997; BirdLife, 2016). Scientists explored the intraspecific variation of the morphology, voices, and mitochondrial gene, of *Phylloscopus pulcher* in a phylogeographic method (Päckert et al., 2014).



Figure 1: Buff-barred Warbler *Phylloscopus pulcher* from Lasdana.

From 23 November to 24 November 2023, we conducted avian survey in the AJK district of Bagh. These included active searches in the three districts for various habitats, such as those near streams and ponds, agricultural areas, and woods. We reported and captured this species in camera (i.e. Nikon D7200, Sigma 100-140mm lens) at noon time on 24 October 2023 from the forest area of Lasdana (33.919733°N and 73.9585°E) (Figure 1), Azad Jammu and Kashmir, Pakistan. Locals were also interviewed and asked about the presence of this species (Figure 2 and 3).

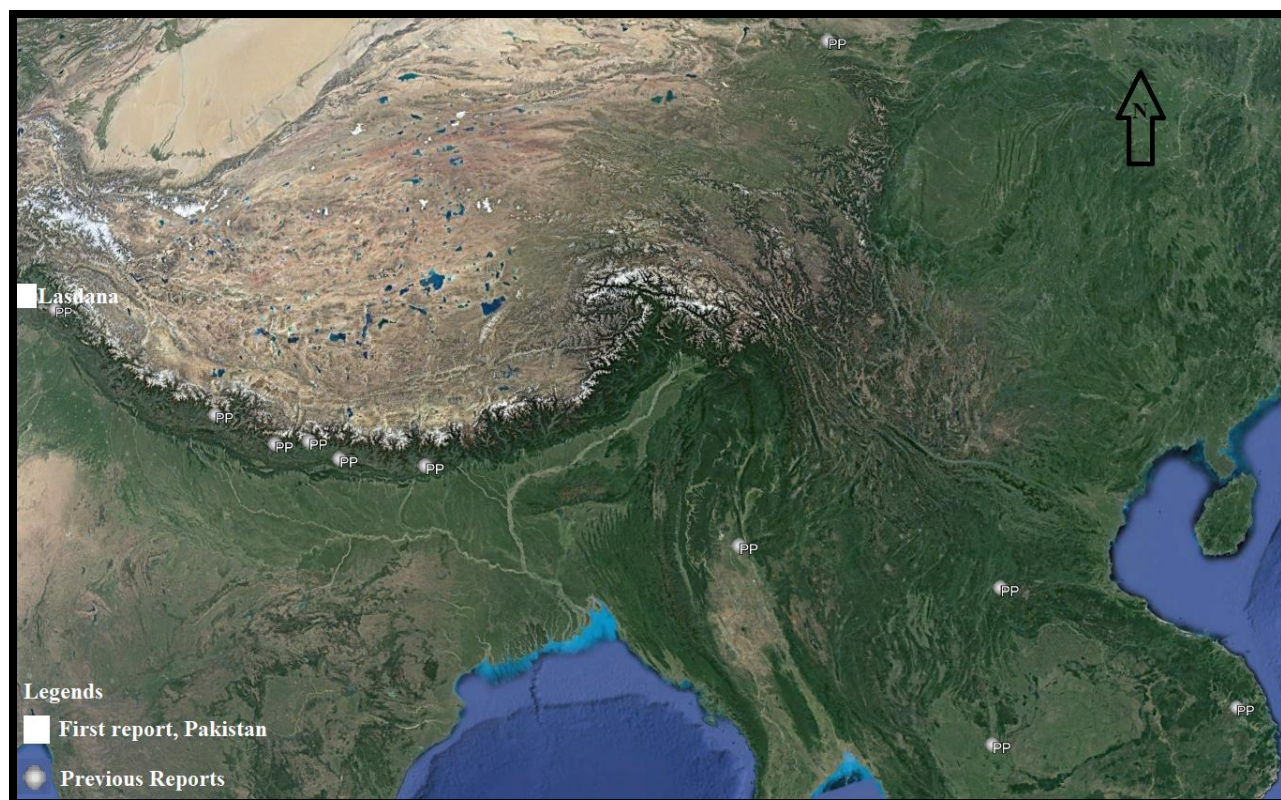


**Figure 2: Landscape of Lasdana, Azad Jammu and Kashmir, Pakistan.**

Lasdana is located in the district Bagh of Azad Kashmir, Pakistan, at an elevation of around 2600 m above sea level. Lasdana has a 29 km road distance from Bagh City, a 61 Km road distance from Rawalakot City, and 27 km from Haveli, Azad Jammu and Kashmir, Pakistan. Because of its elevation, the temperature here in summer remains mild and pleasant, ranging from 15 to 25°C. In the winter, Lasdana has significant snowfall and temperatures as low as -5°C on these days (Amjad et al., 2022; Dar et al., 2019).

#### ACKNOWLEDGEMENT

We would like to thank Tahir Manzoor, Atif Raza (co-researchers/photographers), Akram Awan and the "*Ask Indian Birds ID*" group for their support in species identification, as well as residents for their assistance and advice for bird species locations.



**Figure 3: Map of recent distribution of Buff-barred Warbler in the World (Google Earth).**

## REFERENCES

- Amjad, M. S., A. Shakoor, R. W. Bussmann, and H. Qureshi. 2022. Quantitative and comparative analysis of ethnomedicinal plants from the Lasdana (Azad Jammu and Kashmir). BASE.
- Baker, K. 1997. Warblers of Europe, Asia and North Africa. Princeton University Press, Princeton.
- BirdLife. 2016. Species factsheet: *Phylloscopus pulcher*. The IUCN Red List of Threatened Species 2016, BirdLife International and IUCN Red List for birds
- Dar, M., M. Salik, H. Shaheen, S. S. Firdous, T. S. Ullah, M. A. Hissain, and S. Aziz. 2019. Assessment of human impact on the structure and composition of Lasdana forest district Bagh, Azad Jammu and Kashmir, Pakistan. Pak. J. Bot. 51: 631-636.
- Päckert, M., Y.-H. Sun, B. S. Fischer, D. T. Tietze, and J. Martens. 2014. A phylogeographic break and bioacoustic intraspecific differentiation in the Buff-barred Warbler (*Phylloscopus pulcher*) (Aves: Passeriformes, Phylloscopidae). Avian Research. 5: 1-12.

**Competing interests:** Authors have declared that no competing interests exist.

**Funding:** Authors have no source of funding for this work.

**Authors' contributions:** Hasaan has designed this project, collected data and Altaf has written this article as well as critically analyzed the article and approved it as final.

