



Bali Myna Fieldwork: improving the introduction and monitoring methods

Applicant	Metropolitan University and Birdlife International
Project coordinators	Stuart Marsden, Nigel Collar
Location	Bali, Indonesia
Pledged amount	€44.000
Flagship species	Bali Myna (<i>Leucopsar rothschildi</i>) – CR

Project funding progress



80% funded

Raised: €35000 of €44000

- Devise robust pre-release, release, and post-release protocols with input and agreement from multiple stakeholders
- Introduce a robust system of monitoring and studying released Bali Mynas in BBNP using standard radio-telemetry tracking to determine the key ecological needs of the species
- Support Indonesian students/ecologists to conduct studies of Bali Myna



- This three-year project will support the Indonesian authorities in establishing significant free-flying, safe and sustainable populations of Bali Myna in Bali Barat National Park (BBNP) and other sites.
- Project activities are diverse and our plan flexible, but a constant is that all activities will be undertaken as knowledge partnerships between relevant authorities within Indonesia, the Bali myna conservation society (APCB), the Bali Myna International Advisory Board (IAB), and other interested parties.
- It includes a major radio-tracking project to monitor post-release birds, and a variety of conservation-relevant studies by an existing PhD student and Indonesian students.



- Radio-tracking trials have taken place at Chester Zoo
- It is hoped that by perfecting these methods in a zoo environment, we can use these techniques to better understand the released population in Bali





The aim of this study is to assess the current status and ecology of the reintroduced Bali Myna and its long term viability

Objectives:

1. Assess Bali Myna distribution and population size at Bali Barat National Park
2. Examine key aspects of Bali Myna ecology, including habitat use, feeding preferences, and movement
3. Estimate the long-term viability of the Bali Myna population

Fieldwork activities:

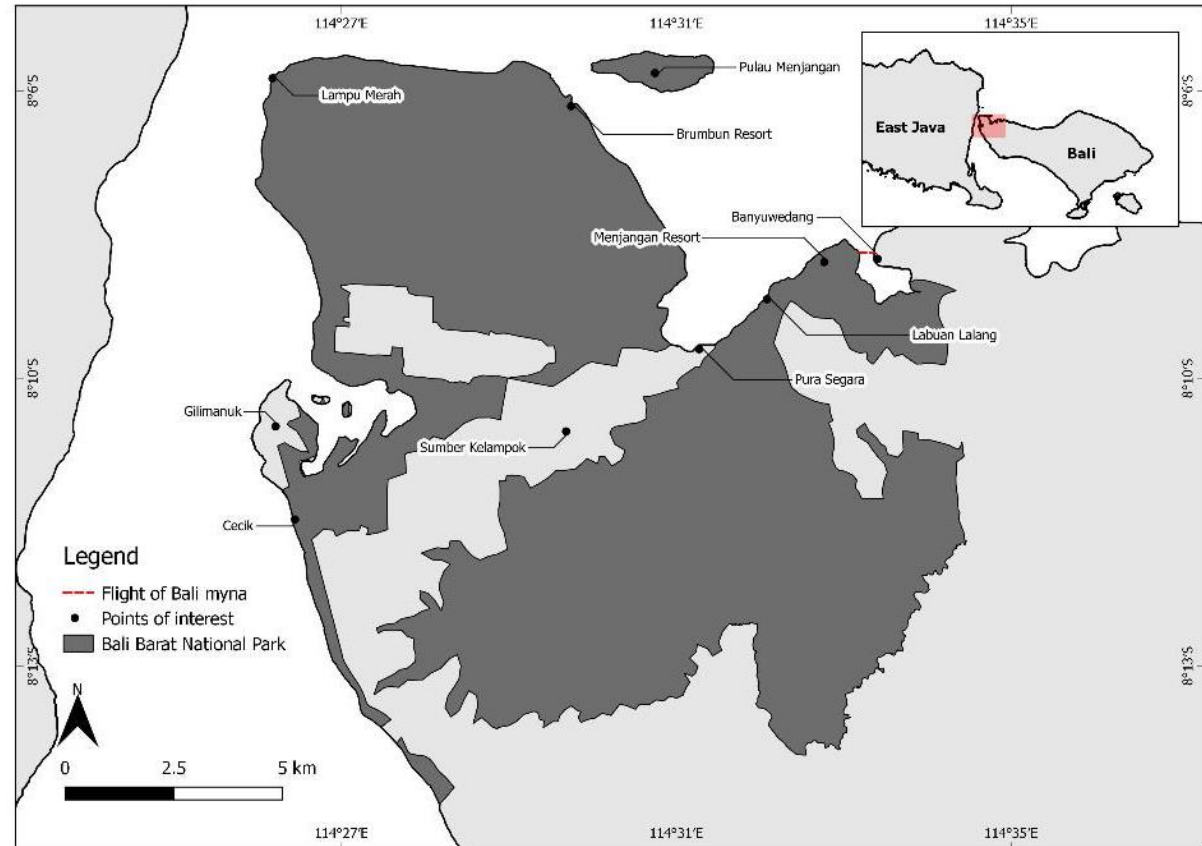
- Document history of Bali Myna reintroduction, with help of national park and its staff
 - locations, dates, numbers released
- Targeted searches for Bali myna
 - Also recording other conservation priority species encountered
- Mark-resight surveys (colour-ringing)
 - Measure vital rates, e.g. survival
 - Examine movements – range expansion?
 - Behavioural sampling
- Habitat assessment – park-wide



- Fieldwork begins at Bali Barat National Park (northwest Bali) in October 2018
- Data collection will continue until at least November 2019

Collaborations

- Indonesian field researcher employed for 12 months to work alongside PhD
- Student from Udayana University, Bali will complete thesis project related to PhD



The release sites are shown above and will be the initial focus areas for fieldwork

Mark – Resight Colour-ringing

- Initiate marking scheme using colour rings and Indonesian scheme's aluminium rings
- Mark-resight method to measure survival and movement (possibly range expansion?)
- Measure behaviour – focal sampling
- Potential to extend project to the use of radio-tags, for better look at movement and behaviour



Colour-ringed Grey-backed Myna at Baluran National Park