



**ARC INFRASTRUCTURE MONITORING & MINIMIZATION PROJECT (IMMP)  
- FIELD ASSISTANT TIER I**



Archipelago Research and Conservation LLC (ARC) is a conservation consulting company focused on research and management activities for the recovery of native fauna in the Pacific, with a particular focus on the endangered Newell's Shearwater (*Puffinus newelli*), Hawaiian Petrel (*Pterodroma sandwichensis*), and Band-rumped Storm-petrel (*Oceanodroma castro*) on the island of Kaua'i.

This is an exciting 9-month full time position to join our team and make a real difference to the future of endangered birds, in some of the most beautiful and challenging locations in the world. Continuation of employment may be possible, dependent upon availability of funds, work performance, and operational considerations

Key duties will include monitoring impacts to wildlife from power lines and artificial lighting, with a particular focus on finding ways to minimize these issues. This work is vital to the conservation of endangered bird species on Hawaii and will lead directly to immediate and real conservation action.

The position reports to the ARC Senior Scientist and ARC IMMP Field Crew Leader.

## **Primary Responsibilities**

The ARC IMMP Field Assistant will:

- Conduct surveys of nocturnal seabird (particularly Newell's Shearwater and Hawaiian Petrel) and diurnal waterbird passage rates at power lines between breeding colonies and the sea, and native waterbirds at wetland areas, using visual surveys (with binocular, scope, night-vision, thermal scopes and IR lights) and auditory surveys.
- Enter field data accurately and diligently onto tablets in the field, cross-reference data in the office and digitize data from IR cameras. Assist with preparing field data summaries and reports.
- Perform other duties as assigned. May include ecological monitoring of other species, public outreach and administration, management and monitoring for seabirds at breeding colonies or predator control.
- Participate in assuring proper maintenance of project vehicles and care of project equipment. All work must be in accordance with ARC policies and guidelines.

## **REQUIREMENTS**

### **Education:** BSc

Bachelor's Degree in a relevant field from an accredited four (4) year college or university in Biological Sciences.

### **Experience:**

REQUIRED: One to three years of experience in terrestrial biological fieldwork. Demonstrated experience with one or more of the following: seabird-monitoring methods, take monitoring, auditory point counts, operating song meters or burrow cameras, or predator management near seabird colonies. Similar experience with other bird species or species of conservation concern may be considered. Demonstrated remote area experience critical.

Candidate **must** have the following abilities:

- Work independently in the field to monitor incidental wildlife take at human-built infrastructure with radar and night vision goggles
- Monitor selected endangered seabirds associated with electrical transmission, distribution infrastructure, and outdoor lighting.
- to concentrate for extended periods (up to four hours) using night-vision, binoculars, or scope under nocturnal conditions.
- to carry out irregular working hours, with most duties occurring in the evening after dark or very early in the morning (several hours before dawn).

- to use scientifically appropriate discretion and attention to detail in the field, often under difficult field conditions, including equipment management and repetitive tasks; and to diligently collect data on field tablets
- strenuous physical exertion and heavy lifting.
- to hike all day on obscure or no trails with a heavy backpack unassisted including off-trail navigation
- to camp for up to two weeks in remote isolated field camps under primitive conditions, over multiple months throughout the field season. May include other islands.
- Carry out biological fieldwork primarily in extremely remote areas (including densely vegetated wet forest, arid canyons and poorly-vegetated hot, dry islets) with variable temperatures, accessed by 4-wheel drive, helicopter, or extended hiking.
- to travel regularly by helicopter and occasionally by plane or boat.
- to drive a car or truck and use a variety of equipment for field studies. Must possess a valid driver's license and maintain throughout the duration of employment
- to interact on a regular basis with land managers, cooperators, and members of the public.
- to follow and adhere to all safety and operational guidelines.
- to use Microsoft Office (incl. Word/Excel) and other software programs to undertake field reporting and other administrative tasks.
- to communicate effectively both orally and in writing.
- to follow directions related to the protection of native fauna and flora.
- be legally able to work in the U.S.A (applicants must be able to present a valid U.S. passport or evidence that they can legally work in the U.S.A.) – ARC will not apply for a visa on the applicant's behalf

PREFERRED: Strong interest and background training in conservation issues related to avian collisions with human infrastructure (power lines, wind farms, solar fields). Strong interest and background in seabird ecology (particularly forest breeding seabirds). Experience working with Hawaiian birds. Experience with use of Geographic Information System (GIS) software and databases. Familiarity with native Hawaiian flora and fauna, local conservation issues, and Kaua'i.

**Post Offer/Employment Conditions:** Must possess Certification in First Aid/CPR (or be able to obtain the certificate following the training organized by ARC within two months from date of hire) and maintain throughout duration of employment. Must be able to complete basic helicopter safety course (organized by ARC) within two months from date of hire. **ARC requires that all staff be full vaccinated against COVID-19 and to provide a scan of a valid vaccination certificate.**

**Policy and/or Regulatory Requirements:** As a condition of employment, employee will be subject to all applicable ARC policies and procedures. Violation of ARC's policies and/or procedures or applicable State or Federal laws and/or regulations may lead to disciplinary action (including, but not limited to, possible termination of employment, etc.).

This position description is a general guide. Other duties may be included and the description is subject to change as needs dictate.

**To apply, please send your CV and a cover letter to [info@arckauai.com](mailto:info@arckauai.com) by January 15<sup>th</sup> 2022.**