

Job Type: Habitat Restoration Worker – Volunteer and Temp Hire Positions (12-14K depending on experience)

Location: Kure Atoll Seabird Sanctuary

Duration: Aug 30, 2014 to March 25, 2015

Position closed: July 8, 2014

Description:

The State of Hawai'i's Department of Land and Natural Resources, Division of Forestry and Wildlife is seeking three volunteers and one temporary hire for work at Kure Atoll for the Winter 2014 -15 field camp. Deployment is to occur in on August 30, 2014. All personnel must be on O'ahu and available to work at least one week prior to departure.

Kure Atoll is a part of the Papahānaumokuākea Marine National Monument (PMNM) and is located 1,400 miles northwest of O'ahu. Kure Atoll occupies a unique position referred to as the 'Darwin Point', which is the northern extent of coral reef development and the atoll is estimated to be 29.8 million years old. Kure is an important breeding site for a sizable and diverse population of wildlife, with several rare or endangered species. Eighteen species of seabirds nest on Kure Atoll, including Mōlī or Laysan Albatross (*Phoebastria immutabilis*), Ka'upu or Black-footed albatross (*Phoebastria nigripes*), and 'Ewa'ewa or Sooty tern (*Sterna fuscata*). There are currently 15 native and 28 introduced plant species known on Green Island. Native plants are an integral resource for seabird nesting habitat and dune stabilization. Invasive plants are a significant management concern because they displace native plant habitat and seabird nesting areas, entrap seabirds in dense vegetative mass and out-compete native plants.

Kure Atoll is an extremely remote work location as it is the last atoll in the Northwest Hawaiian Islands. This position is a unique opportunity to protect and recover seabird habitat. Transportation to Kure Atoll is by ship and/or plane. **The ability to live with a small group of people for an extended period of time is of utmost importance.** Fieldworkers are given their own room (8' x 10') within a 16' X 32' bunkhouse structure. The main building has shared kitchen and office space. The teams is to consist of 6 to 7 people. **Contact to and from the field site is limited to text only e-mail (no pictures or attachments) and no internet.**

Strict Quarantine: Ecosystem protection protocols are in place to prevent introduction of alien species. This quarantine requires that all **"soft" (clothing, shoes, straps etc.) items must be purchased new and frozen for 48 hours prior to departure** to Kure Atoll. All "hard" items (cameras, musical instruments, etc.) must be inspected thoroughly and may be frozen or fumigated prior to departure.

Primary responsibilities include: Invasive plant monitoring and removal (majority of the time is spent working with invasive plants), Big-headed ant monitoring and treatments, native plant propagation, bird surveys and banding, monk seal monitoring, vegetation surveys, marine debris removal, data collection and management, weekly and seasonal summary reporting. **All staff will be expected to help with regular camp maintenance and chores outside of regular work hours.**

Prior experience in the following is desired: Invasive species control, native plant propagation and out-planting, avian reproductive monitoring, shorebird and seabird monitoring and identification, binocular/spotting scope use, data management, familiarity with Excel and ArcGIS and GPS usage. Other useful skills include: carpentry, solar equipment maintenance, small boat experience.

Requirements: Must be in excellent health, able to walk 10 miles per day with a 40lb pack, lift 50 lbs, work for long hours in hot/sunny, rainy/cold conditions and bend or stoop for long periods of time; must know how to swim; knowledge of native Hawaiian species, excellent vision and plant identification skills.

All field workers are expected to work 40 hours/week. This does not necessarily mean 8 to 5 Monday → Friday, and may include evenings and weekends.

DLNR DOFAW will provide transportation between Honolulu and Kure Atoll. Travel dates are subject to change due to ship and airplane schedules. Lodging and food while on Kure and in transit to Kure are provided. Most field clothes and gear are provided. All other transportation, housing, and personal items must be supplied by applicant.

Please send resume, cover letter and three references to Cynthia Vanderlip: kureatoll@gmail.com

For more information about Kure Atoll, please see the Kure Atoll Conservancy website: <http://www.kureatollconservancy.org/>, Kure Atoll Facebook Page, and the Papahānaumokuākea Marine National Monument website: <http://www.papahanaumokuakea.gov/visit/kure.html>.

Physical requirements for Kure Atoll field workers - Sunny, hot, cold, windy, rainy conditions

Task	Physical description	Weight (lbs)	Repetition	Distance	Duration	Physical conditions
Operating backpack sprayer (3-4 gal)	Carrying, lifting, walking	20-32 lbs	Up to 5 days/wk		2 -6 hrs/day	Uneven surface, soft sand, hills
Operating spray-pack hand trigger	Squeezing, gripping, repetitive flexing	N/A	Up to 5 days/wk		2 -6 hrs/day	Ergonomically uncomfortable
Trail Blazing/ transecting	Moving through dense shrubs and low growing trees	10 lbs	Up to 5 days/wk		2 -6 hrs/day	Trip hazards, uneven surface, high fall potential
Back Packing	Carry/walk	30-40 lb pack	3 times a week	5 miles	4-6 hours	Uneven surface, soft sand, hills
Boating	Standing, sitting		Weather dependent		3-6 hours	Bouncing, jarring, jolting, exposure
Painting	Repetitive motion		5 times a season		4-6 hours	Standing, reaching
Restraining albatross	Holding birds	4-5 lbs	500 squats		4 hours/day for 12 consecutive days	Standing, kneeling
Banding albatross	Squeezing pliers to close metal bands	Pack weight 10 pounds	500 squats		4 hours/day for 12 consecutive days	Standing, kneeling
Pulling weeds	Bending/ pulling lifting/piling		3-4 times a week		1-6 hours	Uneven surface, soft sand, hills
Lifting 5-6 gallon water jugs	Lift/Carry water/ transport	50 lbs	30 jugs	40 feet	2 hour, offload twice per season	Uneven surface, soft sand, hills, into and out of boat
Pushing/pulling wheel barrows	Pushing/pulling	100 lbs	10-15 trips per offload	700 feet	6 hrs/day 2 offloads per season	Uneven surface, hills
Schlepping 5-gallon buckets	Lifting/carrying/ transferring	20-30lb	300- 600 buckets		4 times/ season	Uneven surface
Hauling water	Lift/Carry water	50 lbs	2 times a week as needed	40 feet	5 minutes	
Tin can crushing	hammering Squatting	3 lb. sledge hammer	Continuous pounding		20 min/wk	
Albatross counting	Squeezing hand triggers	Pack weight 10+ lbs	800 times /day		10 hrs/day, up to 7 consecutive days	Uneven surface, hills, soft sand
Shearwater count/band	Squatting		60 times/ survey		3-4 hours, 3-4 times a year	
Marine Debris	Lifting/rolling/ carrying/dragging/ segmenting with hand tools	Variable, several hundred lbs (net weight)	As needed to collect debris	10-300 feet	As needed	Uneven surface, hills, wave action, coral rubble, marine life