



HAWAI'I
WILDLIFE CENTER

CELEBRATING 10 YEARS

2021 Impact Report





Table of Contents

Put a Ring on It

Birds are banded before release as much as possible. In 2021, **149** patients were banded at our Kapa'au facility. (This does not include the birds that were banded by the State biologists in the field)



2021 At a Glance	<u>3</u>	Internship & Externship Highlights	<u>11</u>
Hospital Summary	<u>4</u>	Celebrating 10 Years	<u>12</u>
O'ahu Seabird Aid	<u>6</u>	Financial Summary	<u>15</u>
Manu o Kū Program	<u>8</u>	Strategic Planning	<u>16</u>
Volunteer Hours	<u>10</u>	Donation Information	<u>18</u>

Our Year At A Glance

790

Animals Provided Care

33

Unique Species

1,017

Calls Answered

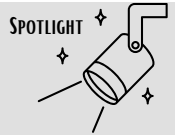
Release Rate



Survival Rate (All Programs)

Survival rate is total releases as a percentage of total patients less those that did not survive the first 24 hours in care. This is a standard calculation in wildlife rehabilitation.

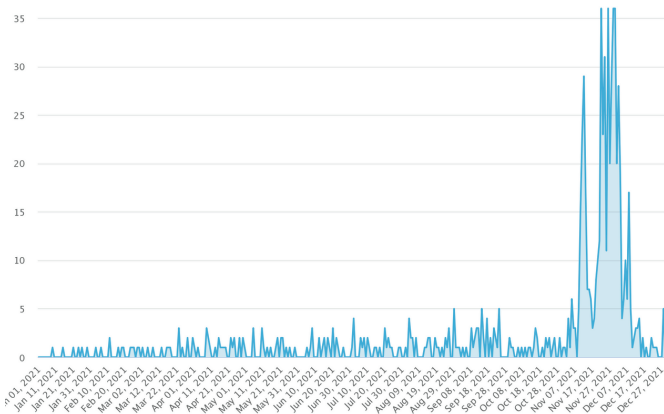
Training and Consultation



HWC provided training and support to the Hawai'i DLNR Division of Forestry and Wildlife Laysan Duck Population management team to help prepare for botulism outbreaks on Kure Atoll.

Daily Intake Numbers

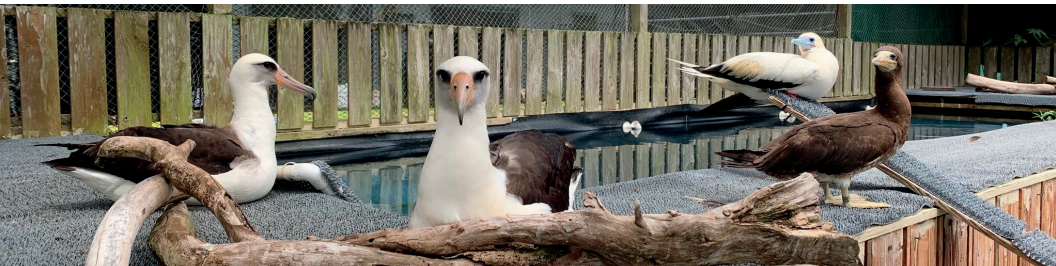
We typically take in 1-5 new patients daily, except during seabird fallout season when intake numbers can skyrocket to over 30 birds per day!



Hospital Summary

Patient species treated at the HWC's hospital and neighbor island projects, including the O'ahu Seabird Aid Program.

Patient Species	ISLAND OF ORIGIN					TOTAL
	Hawai'i	O'ahu	Maui	Lāna'i	Kaua'i	
'Apapane	1					1
Black-crowned Night Heron ('Auku'u)	8	2		1		11
Black-footed Albatross (Noio)		1				1
Brown Booby ('Ā)	1	3				4
Brown Noddy (Noio kōhā)		1				1
Bulwer's Petrel ('Ou)		23		1		24
Cassin's Auklet		1				1
Glaucous Winged Gull ('Opa'ipa'i)	1					1
Great Frigatebird ('Iwa)		2				2
Hawaiian Coot ('Alae ke'oke'o) E		1				1
Hawaiian Duck (Koloa) E		1				1
Hawaiian Gallinule ('Alae'ula) E		2				2
Hawaiian Goose (Nēnē) T	26				2	28
Hawaiian Hawk ('Iō)	14					14
Hawaiian Hoary Bat ('Ōpe'ape'a) E	2					2
Hawaiian Petrel ('Ua'u) E		1	2	5		8
Hawaiian Short-eared Owl (Pueo)	7	2		1	1	11
Hawaiian Stilt (Ae'o) E	1	1				2
Laysan Albatross (Mōlī)		3				3
Lesser Scaup	1					1
Masked Booby ('Ā)		1				1
Newell's Shearwater ('A'o) T	1					1
Pacific Golden Plover (Kolea)	2	6		1		9
Red-footed Booby ('Ā)	7				2	9
Red-tailed tropic bird (Koa'e 'ula)		2				2
Sooty Shearwater		1				1
Sooty Tern ('Ewa'ewa)		8				8
Wedge-tailed Shearwater ('Ua'u kani)	6	550	2	12		570
White Tern (Manu o Kū)		66				66
White-tailed Tropicbird (Koa'e kea)			1	2	1	4
TOTALS	78	678	5	23	6	790



Patient Profile: 'Ua'u Kani

Helping a seabird with spinal trauma get back on the water



Treatment Notes

This 'Ua'u kani (Wedge-tailed Shearwater) was found entangled in fishing line on O'ahu. Due to the entanglement, she suffered loss of circulation in her leg and spinal trauma.

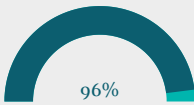
Seabirds do best on water. The challenge: our staff wanted to give her water therapy to help the circulation return to her leg, but her spinal trauma caused her to flip over on the pool. The solution: she got her own kiddie pool and customized pool noodle for supervised water time. It worked wonders!

O'ahu Seabird Aid (OSA)

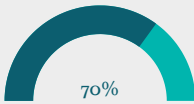
It was another busy Seabird Fallout Season!

Season Summary

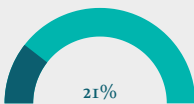
Survival Rate



Released on O'ahu within 24-48 hours



Transferred to HWC hospital for rehabilitation



Hawai'i Wildlife Center personnel, in coordination with program partners, responded to a total of 560 downed 'Ua'u kani (Wedge-tailed Shearwaters) in the 2021 fallout season.

Feather and Fur Animal Hospital was essential to the success of the 2021 OSA season. Birds were triaged into three categories on intake: Release ready, underweight, or injured/contaminated. All were hydrated and medically treated if needed. Streamlining procedures and treatments was extremely beneficial.

As with the 2020 season, there were very few birds in 2021 that were underweight. It is suspected that the food supply has again been favorable for egg laying and chick rearing. When birds met all release criteria but were reluctant to fly away, the Freeman Seabird Preserve became a reliable location for the soft release of these shearwaters. Birds were left in empty burrows in the colony and were given the freedom to fly off on their own whenever they felt ready.

Images from Seabird Fallout

Top: An interesting 2021 case. This bird was seen outside of a burrow near the Freeman Seabird Preserve. OSA manager noted the head and neck feathers looked odd and brought bird in for evaluation. The patient was coated in a sticky, scented, unknown substance. It appears that the burrow was located directly under a drain pipe and what smelled like citronella landed on the bird. Both this shearwater and a neighboring bird were sent to HWC for treatment and washes before being released.

Middle: One of 2021 OSA's soft release birds takes temporary shelter in an old burrow used by a wild colony bird from Freeman Seabird Preserve. These healthy fledglings were provided a soft-release because they couldn't get past the distractions at the hard-release beach sites.

Bottom: Kaimalino Public Beach Access, also known as "Zombies", in a community near Feather and Fur Animal Hospital was the most-used site for bird releases this season. These birds are being released by the OSA manager and an HWC Intern after passing a comprehensive pre-release examination.



Caring for Manu o Kū

Growing up at Hawai'i Wildlife Center

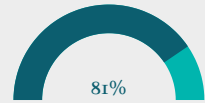
When young Manu o Kū (White Tern) fall out of a tree and are unable to be reunited with their parents, the chicks are examined by our partners at Feather and Fur Animal Hospital, stabilized if necessary, then transported to our Kapa'au facility. Tiny chicks start in the incubator and eventually graduate to holding bins, then to the aviary. Once they are old enough, the terns are transferred to our soft-release program in partnership with the Honolulu Zoo.

Luckily most of the Manu o Kū patients in 2021 were healthy youngsters, though we did also receive a few that required critical care for injuries or poor overall health (underweight or weak).



Manu o Kū Program Summary

Survival Rate
(Rehab to Soft Release)



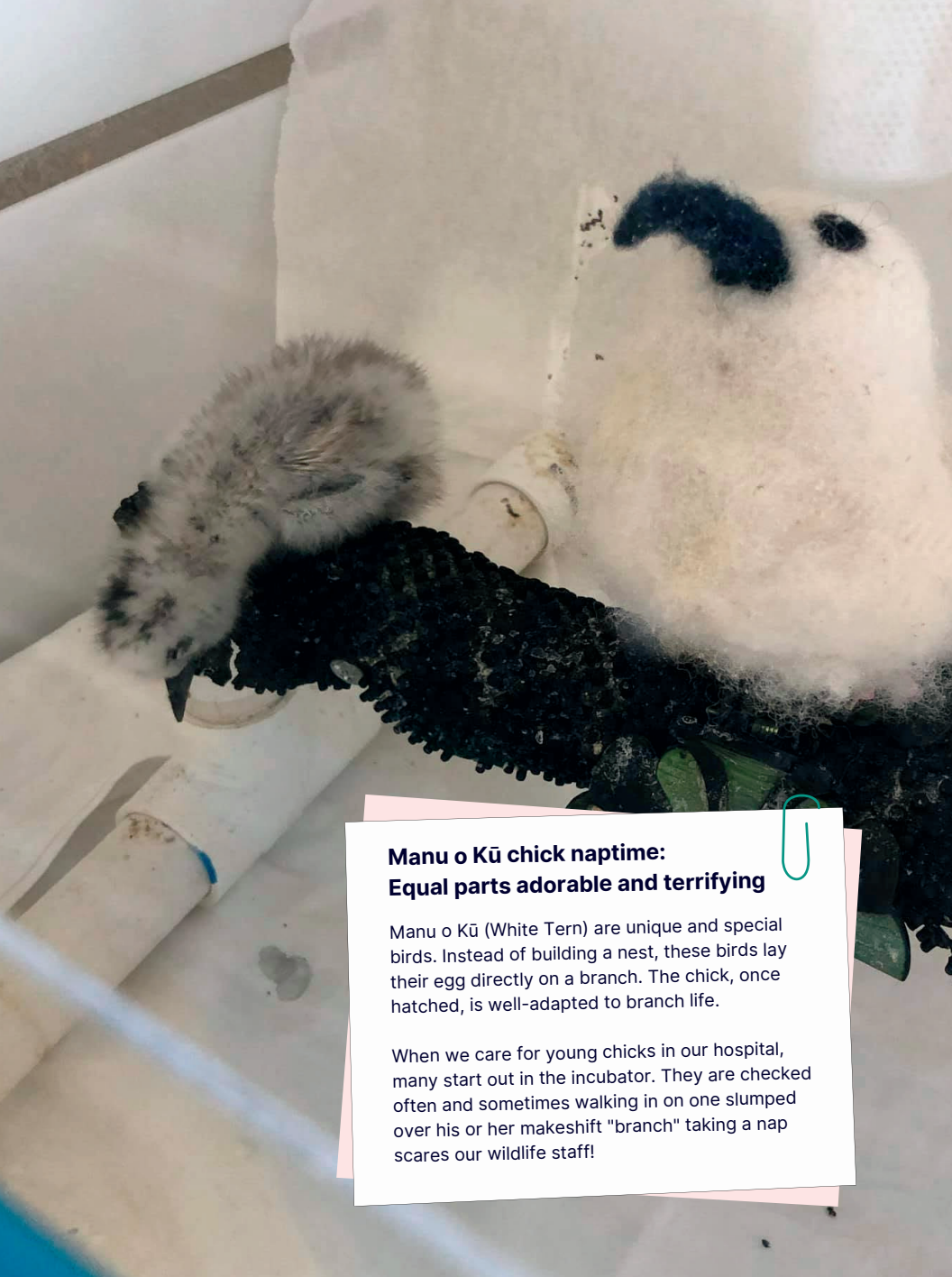
Birds entered into
soft release program

51



Mahalo to our Partners!

Our statewide downed seabird programs in 2021 were made possible by the partnership of Feather and Fur Animal Hospital, Hawaiian Electric, Pūlama Lāna'i, Honolulu Zoo, the Central Pacific Bank Foundation, Young Brothers, and DLNR DOFAW.



**Manu o Kū chick naptime:
Equal parts adorable and terrifying**

Manu o Kū (White Tern) are unique and special birds. Instead of building a nest, these birds lay their egg directly on a branch. The chick, once hatched, is well-adapted to branch life.

When we care for young chicks in our hospital, many start out in the incubator. They are checked often and sometimes walking in on one slumped over his or her makeshift "branch" taking a nap scares our wildlife staff!

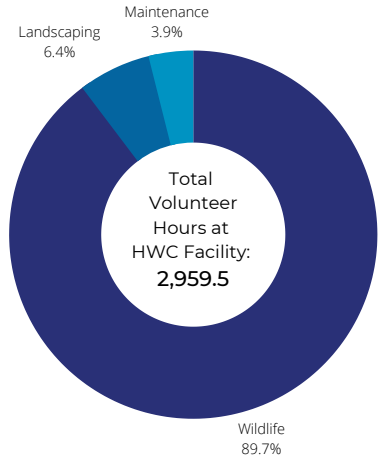
2021 Impact Report

Volunteer Hours

Not all superheroes wear capes!

Facility Volunteers

Our rockstar volunteers pushed through another year of strict COVID protocols to help out at our Kapa'au facility. These amazing individuals contributed nearly 3,000 hours of volunteer work including cleaning, laundry, food prep, landscaping, mowing, facilities maintenance, and more.

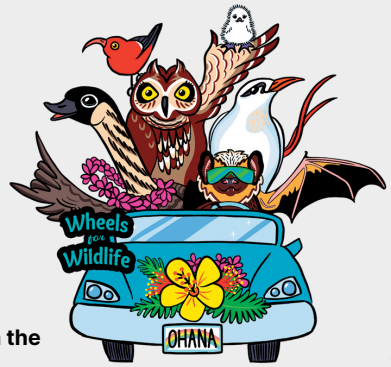


Wildlife Transport

The Wheels for Wildlife (W4W) program was created by the Hawai'i Wildlife Center in 2012 as a volunteer-based transport team on each of the main Hawaiian Islands to expedite the response time for sick, injured and orphaned native wildlife. The Wheels for Wildlife ground transport program has an air transport counterpart, the Wings for Wildlife program. These amazing volunteer drivers and pilots make our statewide wildlife response possible!

In 2021, 74 Wheels for Wildlife volunteers drove a combined 15,789 miles and contributed a total of 339 drive hours.

In 2021, five Wings for Wildlife volunteer pilots with the U.S. Coast Guard Auxiliary flew 11 flights covering 1,246 miles and 11.3 hours of flight time.



Internships & Externships

Providing Hands-on Training and Real-World Experience



The Hawai'i Wildlife Center, led by veterinarian Dr. Juan, had a full roster of interns and externs throughout the year. Wildlife Rehabilitation internships provide an introduction to native Hawaiian wildlife rehabilitation as well as hands-on experience in animal care, wildlife, conservation and veterinary medicine. Interns also complete a final project of their choosing.

Two-week externships were also available for veterinary school students. Externs worked closely with Dr. Juan to build clinical skills, in addition to also learning about animal care and conservation.

INTERNS	FINAL PROJECTS
Jessica M.	Optimal Nutrition in Wildlife Rehabilitation
Emma S.	Prevalence, Demographics, and Survivability of Native Hawai'i Birds with Suspected Predator Attack Diagnosis at the Hawai'i Wildlife Center
David A.	Native Seabird Rehabilitation with the Hawaii Wildlife Center
Megan W.	Diet Composition of Branta sandvicensis fed via orogastric intubation and other captive feeding strategies
Alexandra R.	Internship in Progress

EXTERNS	VETERINARY SCHOOLS REPRESENTED
Samantha G.	Louisiana State University College of Veterinary Medicine
Kyle K.	Michigan State University College of Veterinary Medicine
Christopher P.	Virginia-Maryland Regional College of Veterinary Medicine/Virginia Tech
David P.	Virginia-Maryland Regional College of Veterinary Medicine/Virginia Tech

HWC Celebrates 10 Years of Operations!

Looking back and how it all started and looking forward to what's next!



2008: HWC Board of Directors and Halau Hula Kalaniumi a Liloa at HWC's 2008 groundbreaking



Native Garden Planting Day!

Construction Begins

2008

Soft Opening

2011

First Patient Arrives

2012

1,000th Patient Arrives

2020

2,000th Patient Arrives

2021

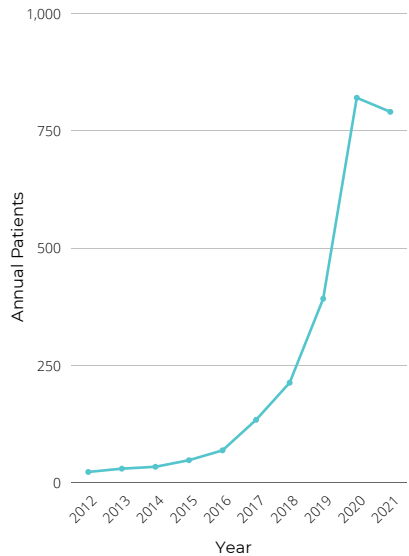


What 10 Years Looks Like

Wildlife Hospital - Exceeding Expectations

The wildlife hospital accepted its first patient in 2012. While wildlife rehabilitation centers are common on the mainland, a native wildlife rehabilitation center with statewide services was a new concept for Hawai'i. Patient numbers increased slightly each year, but stayed well below 100 for the first five years. As word continued to get out about HWC, and as we expanded our wildlife programs and became increasingly utilized by State and Federal wildlife agencies, patient numbers took off.

When HWC Founder and Center Director first wrote HWC's business plan in 2008, she estimated that the organization would see about 100-200 patients annually. Last year in 2021, HWC cared for a total of 790 patients. 370 patients received care at our Kapa'au hospital, and the rest were helped through our neighbor island programs like [O'ahu Seabird Aid](#).





What 10 Years Looks Like

Volunteerism & Professional Growth

Volunteers have been an integral part of our operations at the facility and of our wildlife programs throughout the state. Some of our volunteers have been with us for nearly a decade!

Top: Alexandra and her mother, Olga, began volunteering at HWC in 2012 in our native garden. Alexandra spent her 10th birthday at HWC weeding in the garden, catching snails, and having lunch with our staff. She even brought us cookies on HER birthday!

Right: Nearly a decade later, Alexandra works with our wildlife staff as an intern and is applying to universities for 2022. We are super proud of her and wish her much success in college and beyond!



Financial Performance

Fiscal Year 2021
(Jan. 1, 2021 - Dec. 31, 2021)

Income: \$716,925

Expenses: \$437,881

Hawai'i Wildlife Center surpassed fundraising targets in large part thanks to generous donors and grantors. Due to the growing demand for wildlife services statewide, our team has created an ambitious plan for growth that is estimated to increase annual expenses by \$50,000 to \$100,000 each year for the next three to five years. As we carry out this plan, we have targeted to end each year with a funding surplus which would not only serve to support this growth, but continue to build our operational cash reserve for long-term financial stability. We are aiming to match our FY2021 fundraising performance in FY2022 (Jan. 1 - Dec. 31, 2022).

Upcoming Expenses & Growth

2022 Budget

\$716,960 projected income
\$565,000 projected expenses

Oahu Satellite

\$100,000 for satellite setup and staffing

Ambassador 'Io

\$20,000 to complete aviary construction

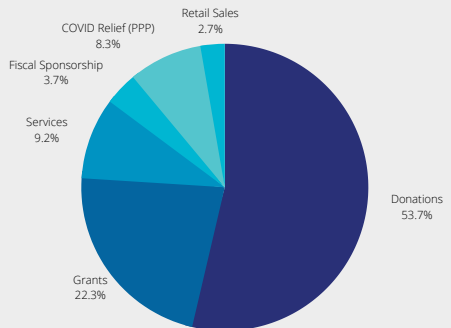
Staffing

In 2021, thanks to a grant from Peace 4 Animals, HWC was able to hire a full-time Veterinarian. HWC operated with 3 operational staff, 3 full-time wildlife staff and 1 seasonal hire for the O'ahu Seabird Aid Program. In 2022 and 2023, HWC plans to hire additional staff to help meet operational needs, including an Animal Care Assistant and Community Relations Coordinator.

Income Diversity

One of the ways we have been working towards long-term funding sustainability is by focusing on bringing in income from a variety of different sources, which helps reduce the impact of sudden changes from any one particular area.

Here's how FY2021 income breaks down by source. This does not include in-kind donations. HWC received an estimated \$4,500 in donated supplies alone!



Strategic Planning

On 10/21/21, Board members met to review and update HWC's strategic plan. Here are the key goals and objectives covered at this meeting.

Organizational Goals

- Achieve a suitable number of staffing positions with qualified personnel and competitive salaries
- End each year with a surplus to build financial reserves
- Maintain a good reputation within the community
- Stay on top of facility maintenance, refurbishments and repairs

Program Goals

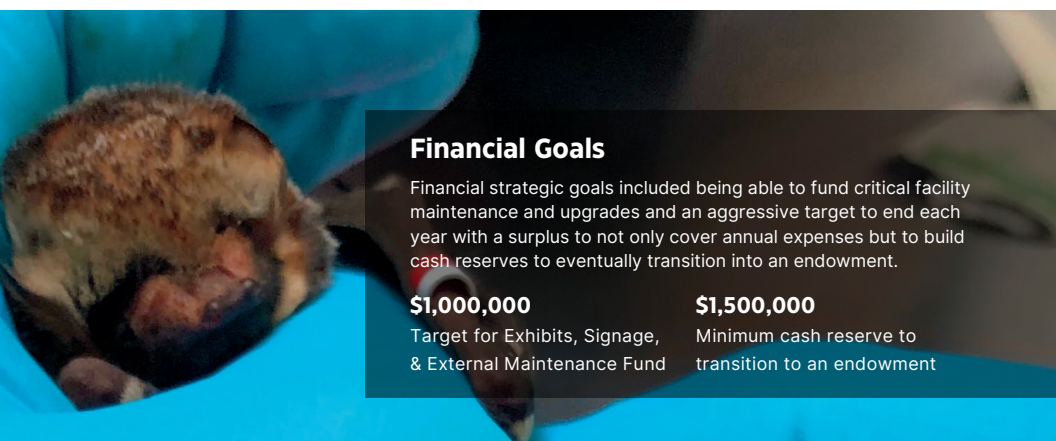
- Increase ability to accommodate wildlife response statewide
- Build capacity to be ready for emergency response
- Build education program and involve more local students
- Develop wildlife biodiversity appreciation and good neighbor programs
- Be able to accommodate group visits and provide a quality experience

Strategic Objectives Completed in FY2021

- Created a multi-year plan including budget projects, maintenance needs, and staffing
- Set the foundation with Ad2 for a brand refresh and marketing campaign
- SB573 passed through the Hawai'i legislature to provide support for wildlife response services through Habitat Conservation Plans. Bill is currently enrolled to the Governor.

Strategic Objectives in Progress for FY2022-2023

- Work with iQ360 on Communications Plan for HWC to build community reach
- Launch of Ad2 TV and radio spot with what to do if an injured native bird or bat is found
- Keep supporters engaged through meaningful updates and interesting content
- Build additional business support by reconnecting with companies that had expressed interest in HWC's programs and providing an update on the Center and its plans for growth
- Hire additional staff for O'ahu satellite and educational programs at the Kapa'au facility



Financial Goals

Financial strategic goals included being able to fund critical facility maintenance and upgrades and an aggressive target to end each year with a surplus to not only cover annual expenses but to build cash reserves to eventually transition into an endowment.

\$1,000,000

Target for Exhibits, Signage,
& External Maintenance Fund

\$1,500,000

Minimum cash reserve to
transition to an endowment

Looking Ahead

Expanding Wildlife Operations and Educational Programs



The Hawai'i Wildlife Center staff and Board of Directors have identified a number of priority areas for the years ahead. We are building capacity for emergency response and have laid out a plan to get a small satellite facility up and running at the Honolulu Zoo on O'ahu.

Our presence on social media has increased the awareness of our work worldwide. In 2021 alone HWC wildlife staff helped wildlife rehabilitators in St. Helena, Taiwan, the Caribbean, Seychelles, and more with challenging seabird cases similar to the patients cared for at the Center. Our staff is willing to continue to keep this consultation assistance available for our global rehabilitation community.

On the home front, we are excited to continue to build our education and outreach programs for our community. Dr. Juan has been working on training Maka'io the Ambassador hawk to be safe, comfortable, and confident as an education bird. We would also like to continue to build a competitive and respected internship and externship program. Moving forward, we have included a new position in our five-year budget plan that will focus on education, outreach, and public programs. With this additional help we aim to involve more community members, solidify and build formal education programs, and develop conservation curriculum for students that includes core and cultural competencies.

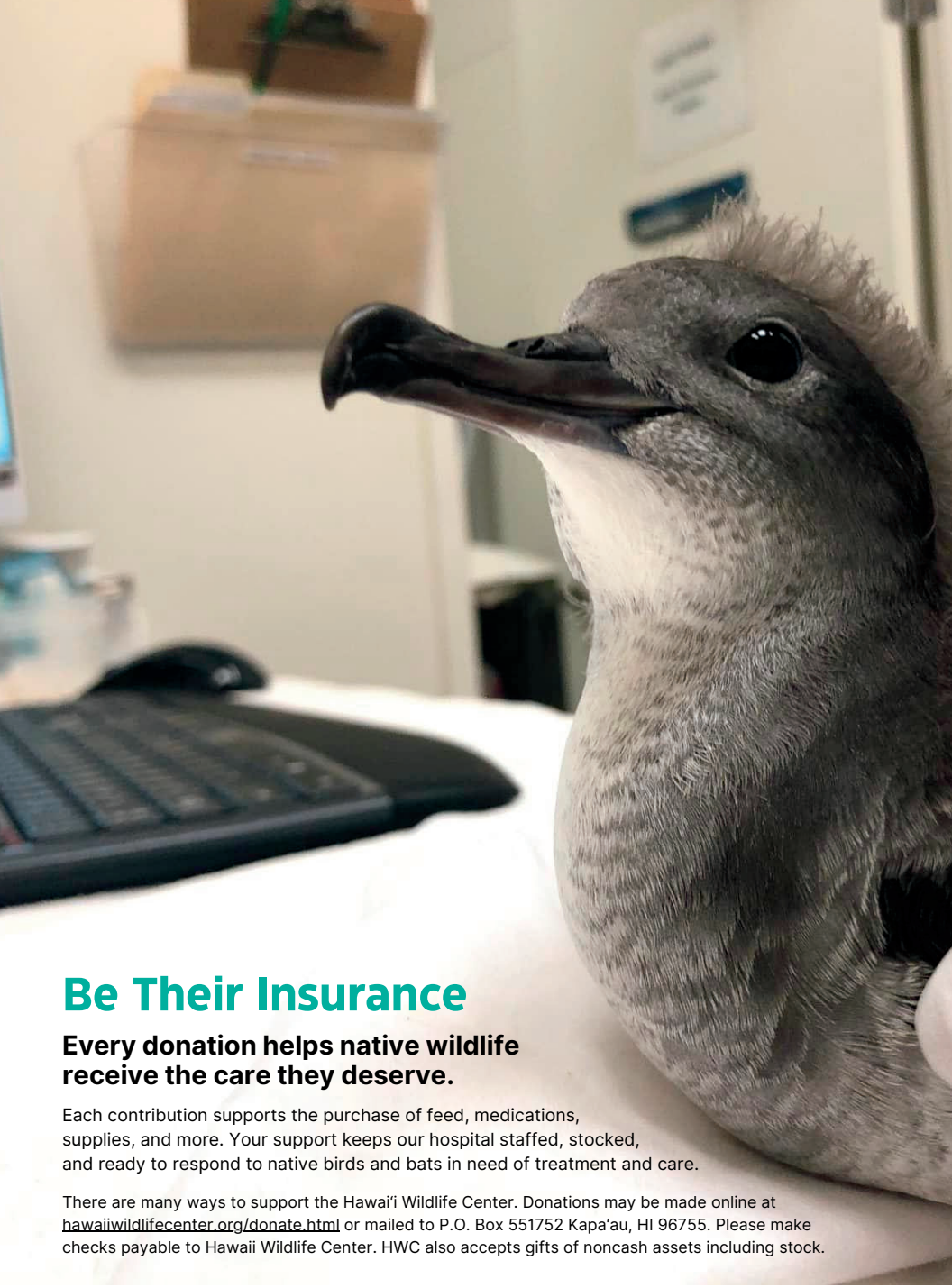
We send our heartfelt gratitude to everyone who has played a role in getting us this far. As we eagerly look ahead, we hope you will continue to stick with us!

10 Years and Still Going Strong

One of the definite strengths of HWC is the commitment of our staff, which is why supporting our staff is a key element in our strategic goals.

Here is Center Director Linda Elliott and Development Coordinator Rae Okawa recreating a photo from 10 years ago. Back then Linda was still working on completing HWC construction and Rae came to visit HWC as a graduate student!





Be Their Insurance

Every donation helps native wildlife receive the care they deserve.

Each contribution supports the purchase of feed, medications, supplies, and more. Your support keeps our hospital staffed, stocked, and ready to respond to native birds and bats in need of treatment and care.

There are many ways to support the Hawai'i Wildlife Center. Donations may be made online at hawaiiwildlifecenter.org/donate.html or mailed to P.O. Box 551752 Kapa'au, HI 96755. Please make checks payable to Hawaii Wildlife Center. HWC also accepts gifts of noncash assets including stock.





A Gift in your Will is their second chance

A gift in your Will means Hawai'i's native winged wildlife do not face injury and illness alone. Since 2012, the Hawai'i Wildlife Center has been providing compassionate medical and rehabilitative treatment to help these animals get through their most vulnerable times. We are fighting to prevent the tragic loss of any more native Hawaiian species. HWC takes on the most challenging cases to give each patient the best chance of survival and to ensure that these amazing birds and bats are able to persist for generations to come.

When you create or update your estate plan, if you'd like to support native wildlife care simply ask your attorney or advisor about the best way to include a gift for HWC. Every gift makes a difference.

Hawaii Wildlife Center | EIN: 20-1489691



Questions? Contact us.

www.hawaiiwildlifecenter.org
info@hawaiiwildlifecenter.org
Office: (808) 884-5000

