

FYI

December 2021

Correspondence

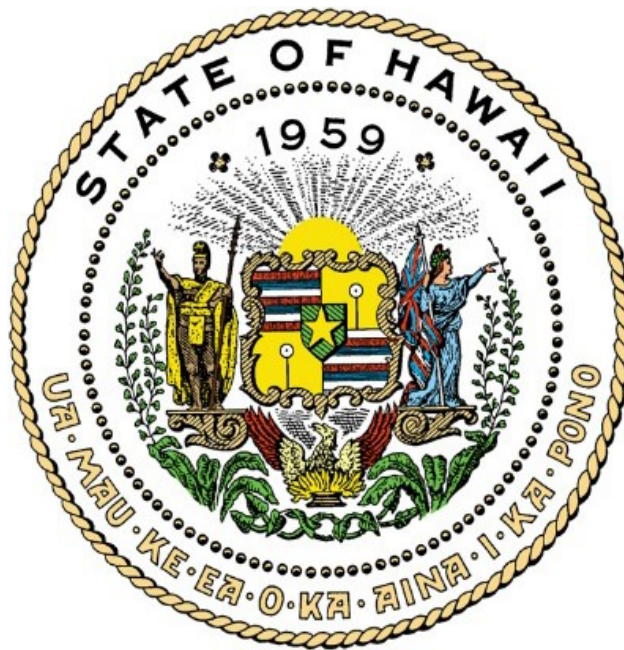
1. Letter to Denis Lau, Department of Health, from Michael Nāho‘opi‘i, regarding Hakioawa Operations and Maintenance Plan 2021 ASO LOG No. 21-049 billing dated August 5, 2021.
2. Letter to Native Nursery, LLC, from Michael Nāho‘opi‘i regarding notice to proceed dated August 15, 2021.
3. Letter to Nicole Shearer, Windward Aviation, Inc. from Michael Nāho‘opi‘i regarding notice to proceed dated September 24, 2021.
4. Memo to Cynthia Gomez, DLNR Fiscal Office, from Michael Nāho‘opi‘i regarding request to rollover FY22 Quarter 1 G-Funds to FY22 Quarter 2 dated October 14, 2021.
5. Letter to DLNR/SHPD from Michael Nāho‘opi‘i regarding HRS 6E Compliance for the NACWA grant dated October 16, 2021.
6. Letter to Alec Wong, Department of Health from Michael Nāho‘opi‘i regarding Hakioawa Operations and Maintenance Plan 2021 ASO LOG NO.21-049 billing dated October 15, 2021.
7. Letter to the Hawaii Tourism Authority from Michael Nāho‘opi‘i regarding Maui Nui Botanical Gardens Proposal to the 2022 Aloha ‘Āina Program (letter of support) dated October 26, 2021.

Media Coverage

See PIS Update in Project Status updates section.

**Report to the Thirty-Second Legislature
2022 Regular Session**

**Status of the Kaho‘olawe
Rehabilitation Trust Fund**



Prepared by:
Kaho‘olawe Island Reserve Commission
Department of Land and Natural Resources
State of Hawaii

In response to:
Section 6K-9.5(e), Hawai‘i Revised Statutes

July 2021

Kaho‘olawe Island Reserve Commission

Status of the Kaho‘olawe Rehabilitation Trust Fund

Section 6K-9.5(e), Hawaii Revises Statutes (HRS), specifies that a report on the status of the Kaho‘olawe Rehabilitation Trust Fund be submitted to the Legislature not later than twenty days prior to the convening of each Regular Session of the Legislature. The report shall include the total number of and amount of grants, donations, and contributions received and balances remaining on June 30 of each year.

Appropriation Account Number(s): T-909-C

Legal Authority: Section 6K-9.5(e), HRS

Fiscal Year 2021 Beginning Cash Balance	\$ 1,512,867
FY 2021 REVENUES	
Grants	\$ 18,000
Income	\$ 26,322
Interest	\$ 3,150
Total Revenue	\$ <u>47,472</u>
TOTAL	\$ <u>1,560,339</u>
LESS FY2021 Expenditures	\$ <u>60,100</u>
Ending Cash Balance	\$ <u>1,500,239</u>
LESS Encumbrances	
Contracts	\$ 436,279
Claims	\$ 14,689
TOTAL Encumbrances	\$ <u>450,968</u>
UNENCUMBERED CASH BALANCE	\$ <u>1,049,271</u>

The Kaho‘olawe Rehabilitation Trust Fund was established to receive federal funds, legislative appropriations, and moneys from grants, donations or proceeds for the rehabilitation and environmental restoration of the Kaho‘olawe Island Reserve (Island Reserve). The Island Reserve includes the Island of Kaho‘olawe and two-miles of surrounding submerged lands and waters.

Federal funds are used to fund the operation of the Kaho‘olawe Island Reserve Commission (Commission) and management of the Island Reserve. Commission activities focus on culture, education, and the preservation, protection, rehabilitation, and revegetation of the Island Reserve.



KŪKULU KE EA A KANALOA

KAHO'OLAWE ISLAND RESERVE COMMISSION

811 Kolu Street, Suite 201, Wailuku, HI 96793
Telephone (808) 243-5020 Fax (808) 243-5885
Website: <http://kahoolawe.hawaii.gov>

Notice of Permitted Trolling Schedule:

January-December 2022
Kaho'olawe Island Reserve
Zone B (> 30 fathoms)

Notice to Trollers: The dates below mark the Permitted Trolling Schedule in Zone B for January -- December 2022. **Hawaii Administrative Rules (H.A.R) 13-261 requires that all vessels must register with the Kaho'olawe Island Reserve Commission (KIRC) before entering the Reserve to troll during designated Permitted Trolling dates. To register please contact Dean Tokishi at dtokishi@kirc.hawaii.gov 808-243-5022, visit Kahoolawe.hawaii.gov or pick up registration packet at the Division of Boating and Recreation.**

12:01 a.m Saturdays to 11:59 p.m Sundays as follows:

January	22 –23; 29 – 30	July	16 –17; 30 – 31
February	05 –06; 26 – 27	August	13 –14; 27 – 28
March	12 –13; 19 – 20	September	10 –11; 24 – 25
April	02 –03; 23 – 24	October	08 –09; 22 – 23
May	07 –08; 21 – 22	November	12 –13; 19 – 20
June	04 –05; 25 – 26	December	03 –04; 17 – 18

The Kaho'olawe Island Reserve (defined as the submerged lands and waters within two nautical miles of the island) is divided into two zones; Zones A and B. These zones are defined as:

Zone A: Includes the island of Kaho'olawe and all the submerged lands and waters between the shoreline of Kaho'olawe and the 30-fathom (180 ft.) depth which surrounds Kaho'olawe (HAR 13-261). **Unauthorized entry into Zone A is prohibited at all times except in case of emergency.**

Zone B: All waters and submerged lands between the 30-fathom (180 ft.) depth surrounding Kaho'olawe and two nautical miles from the shoreline of the island. Unauthorized entry into Zone B is prohibited at all times except for trolling as authorized by KIRC on the days stipulated by the Permitted Trolling Schedule as listed above or in case of emergency. Trollers must remain underway, making way at all times while in Zone B. **ALL OTHER FISHING, OCEAN RECREATION, AND ANY OTHER ACTIVITIES ARE STRICTLY PROHIBITED.**

WARNING! Kaho'olawe and its surrounding submerged lands and waters contain unknown quantities of unexploded ordnance which are hazardous to public health and safety.

(Authority: (H.R.S. §6K, H.A.R. §13-261))



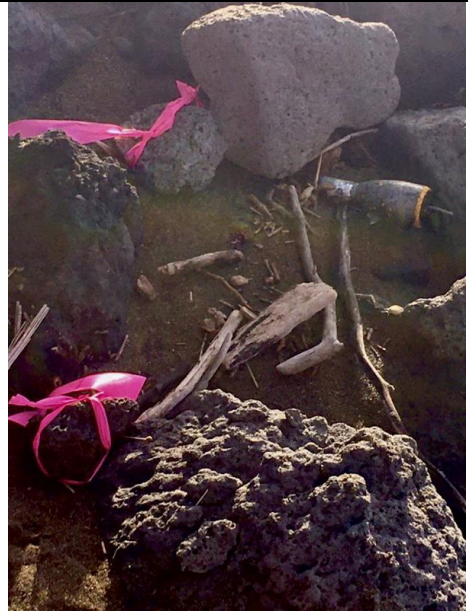
PROTECT KAHO‘OLAWE ‘OHANA

Post Huaka‘i Report for
July 22 – 25, 2021

HUAKA‘I SUMMARY				
Date of Report:	Iulai 24, 2021	Dates of Huaka‘i:	July 22 – 25, 2021	
Name of Submitter:	Momi Wheeler	Phone:	(808) 430-2557	
Location:	Hakioawa			
Final # of Participants:	21			
Participant Groups:	PKO			
STATUS ON STEWARDSHIP PROJECTS (Initiate, Continue, Status, Complete, etc.)				
Place – Description of Work Projects	Feb. 2021	April 22 - 25, 2021	April 29 - May 2, 2021	July 22- 25, 2021
Ka ‘Ai A Kanaloa – Marine Debris Clean-up	X	X	X	X
Ka ‘Ai A Kanaloa – Marine Monitoring	X	X	X	X
Archaeological/Culture Site Monitoring and Management	X	X	X	X
Practice of Hawaiian Arts and Science: Kūkulu Ke Ea A Kanaloa Culture Plan	X	X	X	X
Ala Loa Maintenance and Stabilization	X	X	X	X
Kilohōkū and Kilo Pae Honua	X	X	X	X
Hakioawa Hale / Hālau Building / Hāweoikeapili	X	X	X	X
Project: Ka ‘Ai A Kanaloa, Ho‘ōla ‘Āina + Wailuna I Lalo, Lā Hui, Hui Māla ‘Ai	STATUS: Review huaka‘i video (~16 minutes)			
Project: Archaeological/Cultural Site Monitoring & Management				
Project: Practice of Hawaiian Arts and Science: Kūkulu Ke Ea A Kanaloa Culture Use Plan				
Project: Kilohōkū and Kilo Pae Hōnua				
Project: Hāweoikeapili, Nāmakapili				
HEALTH & SAFETY: Describe briefly and attach Incident Report, if applicable. None, mahalo nā akua!				
UXO Encountered: ‘Ae, 7/22/21 Hakioawa Iki bottom of “stairs” on Hawai‘i Island side of bay, noticed makia/right side caught between rocks and ocean debris. ‘Ohana set boundaries, stayed clear of this area, and went ‘au‘au on the Lāna‘i side of Hakioawa Iki (<i>see attached photos</i>)				



PROTECT KAHO'OLAWE 'OHANA
 Post Huaka'i Report for
 July 22 – 25, 2021



CONDITIONS:

Ocean – Somewhat calm early morning, nā makani graced us with their presence mid-morning til evening.

Weather – Sunny and overcast; nā ulu graced us with their presence each afternoon with light ua.

Trails – Accessible.

HAKIOAWA SITE SUMMARY

LUA	Panel Clear of Debris?	Light Working?	Fan Working?	Lock Working?	Chip Supply (50# Bag)	Notes
#1 Lāna'i Side - Mauka	'Ae	Dim	'Ae	'Ae	5gal bucket full in lua	
#2 Lāna'i Side - Makai	'Ae	Dim	'Ae	'Ae	5gal bucket full in lua	
#3 Hawai'i Island Side - Right	'Ae	Dim	'Ae	'Ae	5gal bucket full in lua	
#4 Hawai'i Island Side - Left	'Ae	'Ae	'Ae	'Ae	5gal bucket full in lua	*Flooring needs reinforcement as it's blistered and weak



PROTECT KAHO‘OLAWE ‘OHANA
 Post Huaka‘i Report for
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FIRST AID	AED Charged? ‘Ae, returned to KIRC 7/25/21	O2 Tank Full and Working? ‘Ae
VECTOR CONTROL	Noticed two pōpoki	
NOTES:	<ul style="list-style-type: none"> • Mahalo nunui e KIRC for your continued kāko‘o + vehicle support! • Mahalo e Eric for coming to Hakioawa so now all 4 lua are working! • All 21 ‘Ohana adhered to the COVID-19 Safety protocols with social distancing and wearing face masks <ul style="list-style-type: none"> • Masks worn at all times which included transfer between vessels • On-island, everyone frequently washed their hands, all meals were prepared and served by designated kua, Pearl Wu and Momi Wheeler, with kōkua from Kimi Patterson, Anna Palamino; meals were individually served on one-time use plates and utensils; masks were worn except when actively eating or drinking. • In addition to regular Clivus Multrum guidelines as listed inside each lua, seats and door handles were sanitized after use 	

FINAL ITINERARY	
DAY/DATE	LOCATION & ACTIVITY
‘Ekahi Thursday 7/22/21	<ul style="list-style-type: none"> • 21 ‘Ohana safely landed via ‘Ōhua, Pualele, and PKO zodiac (<i>captain: CJ Elizares</i>) early morning in Hakioawa • Safety briefing + began to work on kuleana: Ho‘ōla ‘Āina, Lā Hui, Ka ‘Ai A Kanaloa, Hui Māla ‘Ai (<i>see huaka‘i ~16-minute video</i>)
‘Elua Friday 7/23/21	<ul style="list-style-type: none"> • E Ala Ē • Continued work kuleana: Ho‘ōla ‘Āina, Lā Hui, Ka ‘Ai A Kanaloa, Hui Māla ‘Ai (<i>see huaka‘i ~16-minute video</i>)
‘Ekolu Saturday 7/24/21	<ul style="list-style-type: none"> • E Ala Ē • Completion of work kuleana: Ho‘ōla ‘Āina, Lā Hui, Ka ‘Ai A Kanaloa, Hui Māla ‘Ai (<i>see huaka‘i ~16-minute video</i>)
‘Ehā Sunday 7/25/21	<ul style="list-style-type: none"> • 21 ‘Ohana safely departed Hakioawa to Kīhei via Pualele and PKO zodiac



PROTECT KAHO‘OLAWE ‘OHANA
 Post Huaka‘i Report for
 July 22 – 25, 2021

FINAL PARTICIPANT LIST											
#	LAST NAME	FIRST NAME (Nickname)	A G E	CHAPERONE/ Kako‘o	GROUP	Participant Safety Identification					NOTES
						KUA	Access Guide	Water Safety	First Responder	First Aid / CPR	
1.	Neff	Craig	A		PKO	X		X			
2.	Aiwahi	Lopaak	A		PKO	X		X			
3.	Wheeler	Momi	A		PKO	X	X			X	
4.	Wu	Pearl	A		PKO	X	X			X	
5.	Elizares	CJ	A		PKO	X	X	X		X	
6.	Saito	Kahale	A		PKO	X	X			X	
7.	Kekoa	Luna	A		PKO	KIT	X	X		X	
8.	Saito-Kekoa	Nāulumaikalani	11	Luna	PKO						
9.	Saito-Kekoa	Keahekoloikawelolaiku	7	Kahale	PKO						
10.	Saito-Kekoa	Mahinaameuau	4	Kahale	PKO						
11.	Chock	Ka‘ilima	12	Pearl	PKO						
12.	Kamelamela	Katie	A		PKO	KIT	X			X	
13.	Figueroa	Wendell	A		PKO	KIT				X	
14.	Ho	Aliana	A		PKO	Kōkua					
15.	Donlon	Jeff	A		PKO	Kōkua					
16.	Patterson	Kimi	A		PKO	Kōkua					
17.	Palomino	Anna	A		PKO						
18.	Tardif	Joseph	A		PKO						
19.	Bailie	Michelle	A		PKO					X	
20.	Dutro	Warrick	A		PKO			X		X	
21.	Agliam	Tyson	A		PKO					X	

Captain and Crew List					
#	Vessel Name	Crew - Last Name	Crew - First Name	Age	NOTES
1.	Pualele	Lu‘uwai	Kalei (Captain)	A	7/22/21, 7/25/21
2.	Pualele	Lu‘uwai	Kawai	A	7/22/21, 7/25/21
3.	Pualele	Lu‘uwai	Mogul	A	7/25/21
4.	PKO Zodiac	Elizares	CJ (Captain)	A	
5.	PKO Zodiac	Kekoa	Luna	A	
6.	PKO Zodiac	Figueroa	Wendell	A	
7.	PKO Zodiac	Dutro	Warrick	A	



PROTECT KAHO'OLAWE 'OHANA

Post Huaka'i Report for

August 12-13, 2021

HUAKA'I SUMMARY			
Date of Report:	8/22/21	Dates of Huaka'i:	AUG 12-13, 2021
Name of Submitter:	Davianna McGregor w/Josh Kaakua & Jason Sanada	Phone:	808-222-9728
Location: Hakioawa, Ahupu, Kuhe'eia			
Final # of Participants:	11		
Participant Groups:	Protect Kaho'olawe 'Ohana Lawai'a & UH Sea Grant researchers		
STATUS ON STEWARDSHIP PROJECTS (Initiate, Continue, Status, Complete, etc.)			
Place - Description of Work Project	AUG 12-13, 2021		
Ka 'Ai A Kanaloa - Marine Debris Clean-up	yes		
Ka 'Ai A Kanaloa - Marine Monitoring	YES		
Archaeological/Culture Site Monitoring and Management	NO		
Practice of Hawaiian Arts and Science: Kūkulu Ke Ea A Kanaloa Culture Plan	YES		
Ala Loa	NO		
Trail Stabilization	NO		
Maintenance of Hakioawa Facilities & Infrastructure	YES		
Kilohoku and Kilo Pae Honua	YES		
Native plant restoration	NO		
PROJECT: Ka 'Ai A Kanaloa - Marine Monitoring Lawai'a / UH Sea Grant Land Based Pollutants / Microplastics Study Fish Specimen Collection - Marine Invasive Species Removal	STATUS: 1st Day: 11 participants and 2 Pualele crew arrive in the Kaho'olawe Island Reserve at 6:30am via Pualele and 'Ohana zodiac. Ocean was calm in Haki'oawa. Lawai'a collected targetted species for joint KIRC-PKO-UH SeaGrant sampling via throw net, spearfishing, and handline from 0630am - 0830am in Haki'oawa Bay. Target species included aholehole, kole, to'au, ta'ape, roi and papio. Divers noted very healthy reef; Lots of invasive species (Overrun with Roi and Toau). Transport on Pualele and Zodiac from Haki'oawa to Ahupu arriving at Ahupū @ 0930am; Pods of Nai'a outside of Papaka; Observed Large Fishnet/Marine Debris outside of Kaukamoku - Removed via Pualele disposed at Kihei;		



PROTECT KAHO'OLAWE 'OHANA
 Post Huaka'i Report for
 August 12-13, 2021

	<p>Collection of species at Ahupu from 09:30am-12:30pm via throw net and spearfishing. Divers noted healthy reef but no Kole present. Overrun with Roi and Toau; Small reef sharks present in Ahupu and Kuheeia. Transport to Kuheeia 12:30pm -1:00pm. Processed fish samples for transport to lab on O'ahu at Kūhe'eia. With samples collected, proceed to eradicate Invasive speceis in Kuhe'eia via spearfishing.</p> <p>STATUS: 2nd Day: Breakdown camp and depart Kuheeia 630am arriving at Kihei Boat Ramp 800 am. Channel crossing average conditions;</p>
HEALTH & SAFETY: Describe briefly and attach Incident Report, if applicable. NONE	
UXO Encountered: NONE	
CONDITIONS: Day 1: Slight breezes and cloud cover the first day. Windy afternoon, Early evening rain and strong winds. Day 2: Morning calm and cool.	
VECTOR CONTROL	None.
NOTES:	<ul style="list-style-type: none"> • Mahalo to KIRC for mooring in Kuheeia; And use of KIRC truck and blue van; • Info re UH Sea Grant Study: Land-based pollutants and microplastics analysis and findings pending;

FINAL ITINERARY	
DAY/DATE	LOCATION & ACTIVITY
DAY 1	Hakioawa (Oawawahie to Ku'iku'i) 0630am – 8:30am ; Ahupū 0930 – 12:30pm; Kūhe'eia 1:00pm. Overnight in Kūhe'eia. Pualele moored in the bay overnight and the 'Ohana zodiac landed.
Day 2	Kuheeia 6:30am departure from Hakioawa, arriving in Kihei @ 8:00am



PROTECT KAHO'OLAWE 'OHANA

Post Huaka'i Report for

August 12-13, 2021

Volunteer Vessel, Captain and Crew List				
	Vessel Name	Crew LAST NAME	Crew FIRST NAME	Age
1.	Pualele	Lu'uwai	Kalei (Captain)	A
2.	Pualele	Luuwai	Kawai	A
3	PKO Zodiac	Sanada	Jason (Captain)	A
4	PKO Zodiac	Kawahakui Jr.	Syd	A
5	PKO Zodiac	Hanson	Barney Pookela	A
6	PKO Zodiac	Kekoa	Edward Luna	A



PROTECT KAHO'OLAWE 'OHANA

Post Huaka'i Report for August 12-13, 2021

Narrative Report to Protect Kaho'olawe 'Ohana:

Reporting back on a successful huaka'i for the access August 12-13. A small group of eleven participants included PKO gang (SydBoy, JBoy, Pookela, Luna, Koi, and Josh), two researchers from the University of Hawai'i Sea Grant, Captain Kalei, Kawai Lu'uwai and others spent the early morning in the waters of Hakioawa, then midday in Ahupu, before mooring and setting up overnight camp in Kuheeia before departing the reserve at daybreak of day two. Summary points of interest as follows:

- Cool and calm ocean and weather conditions;
- Mahalo to Luna for making the connection with UH Sea Grant (Eileen and Honour with UH Donahue Lab) to set up on the appropriate scope, questions, and methods for the Kaho'olawe nearshore marine environment fish study;
- Link to project #1: [project summary about land-based pollutants](#);
- Project #2 looking at microplastics in fish gut and possible project #3 about Roi ciguatera;
- Fish collection via throw net, spearfishing, and hand line. Target species included aholehole, kole, to'au, ta'ape, roi, and papio;
- The reefs looked very healthy at Hakioawa, Ahupu, and Kuheeia;
- Unable to find sizeable kole at both Hakioawa and Ahupu (manini was used as substitute);
- All fish samples were collected in under the target time schedule; Remainder of time was used for invasive species removal;
- Roi and To'au were found in large concentrations in all three bays (Hakioawa, Ahupu, and Kuheeia). It is noted that invasive fish species To'au, Ta'ape, and Roi are voracious eaters that can cause damage to the native reef ecosystem;
- Small and medium shark activity at Ahupu and Kuheeia;
- Haki'oawa infrastructure: Dropped off 2x4x8 lumber for Solar platform in Hakioawa;
- Marine debris: Large net and floats were found off of Kaukamoku. Divers cut off reef and debris was removed and transported to Kihei for disposal;
- Kuheeia: everything looking good in camp; Thanks to the last huaka'i group for leaving everything organized and cherry.

Some pics attached (PC: Koi and Kyle Cheng)

Josh



PROTECT KAHO‘OLAWE ‘OHANA

Post Huaka‘i Report for

August 20-21, 2021

HUAKA‘I SUMMARY			
Date of Report:	8/29/21	Dates of Huaka‘i:	AUG 20-21, 2021
Name of Submitter:	Davianna McGregor	Phone:	808-222-9728
Location: Hakioawa			
Final # of Participants:	4		
Participant Groups:	Protect Kaho‘olawe ‘Ohana – Hō‘ola ‘Āina		
STATUS ON STEWARDSHIP PROJECTS (Initiate, Continue, Status, Complete, etc.)			
Place – Description of Work Project	AUG 12-13, 2021	Aug 20-21, 2021	
Ka ‘Ai A Kanaloa – Marine Debris Clean-up	yes	No	
Ka ‘Ai A Kanaloa – Marine Monitoring	YES	No	
Archaeological/Culture Site Monitoring and Management	NO	No	
Practice of Hawaiian Arts and Science: Kūkulu Ke Ea A Kanaloa Culture Plan	YES	Yes	
Ala Loa	NO	No	
Trail Stabilization	NO	No	
Maintenance of Hakioawa Facilities & Infrastructure	YES	Yes	
Kilohoku and Kilo Pae Honua	YES	Yes	
Native plant restoration	NO	Yes	
PROJECT: Practice of Hawaiian Arts & Sciences; Culture Plan	STATUS: Planting of native plants in Hakioawa applying ‘ike kūpuna – Renee Sylva experience		
PROJECT: Maintenance of Hakioawa Facilities & Infrastructure	Checked new irrigation line that was installed in July 2021 huaka‘i. Found a leak that needs to be fixed.		
Project: Kilohoku & Kilo Pae Honua			
Native plant	Planted: Lama x1; Alahe‘e x1; Ohai x3; Ewa Hinahina (Achyranthes spl.) x2; Kolomona x6; Aweoweo x 6; ‘Ihi (P. sylvii) x 1; Ilie‘e x 4; Pōhinahina x 4 = 31 total. Dispersed 4 oz of Puakala seed; Ipu x 5		
HEALTH & SAFETY: Describe briefly and attach Incident Report, if applicable. NONE			
UXO Encountered: NONE			
CONDITIONS: Calm Weather and seas			



PROTECT KAHO'OLAWE 'OHANA
Post Huaka'i Report for
August 20-21, 2021

VECTOR CONTROL	2 cats
NOTES:	Mahalo KIRC for support

FINAL ITINERARY	
DAY/DATE	LOCATION & ACTIVITY
DAY 1	4 participants arrived at 6:30am in Hakiowa via zodiac from Kihei. Group walked the irrigation line that had been installed in July 2021 and discovered a leak at one of the valves. This needs to be repaired as soon as can. Checked the timers and flow of water. Cleared kiawe in order to plant a māla. Planted the native plants itemized above.
Day 2	Group left Hakiowa at 8:00am and arrived at Kihei at 9:00am.



PROTECT KAHO'OLAWE 'OHANA
 Post Huaka'i Report for
 August 20-21, 2021

FINAL PARTICIPANT LIST

PARTICIPANT LIST for August 20 - 21, 2021											
#	LAST NAME	FIRST NAME (Nickname)	A G E	CHAPERONE/ Kāko'o	GROUP	Participant Safety Identification					NOTES
						KUA	Access Guide	Water Safety	First Responder	First Aid / CPR	
1.	Elizares	Christopher John	A		PKO	X	X	X		X	
2.	Aiwohi	Lopaka	A		PKO	X		X			
3.	Palomino	Anna	A		PKO						
4.	Agliam	Tyson	A		PKO						

Volunteer Vessel, Captain and Crew List				
	Vessel Name	Crew LAST NAME	Crew FIRST NAME	Age
1.	PKO Zodiac	Aiwohi	Lopaka	A
2.	PKO Zodiac	Elizares	CJ	A
3.	PKO Zodiac	Palomino	Anna	A
4.	PKO Zodiac	Agliam	Tyson	A



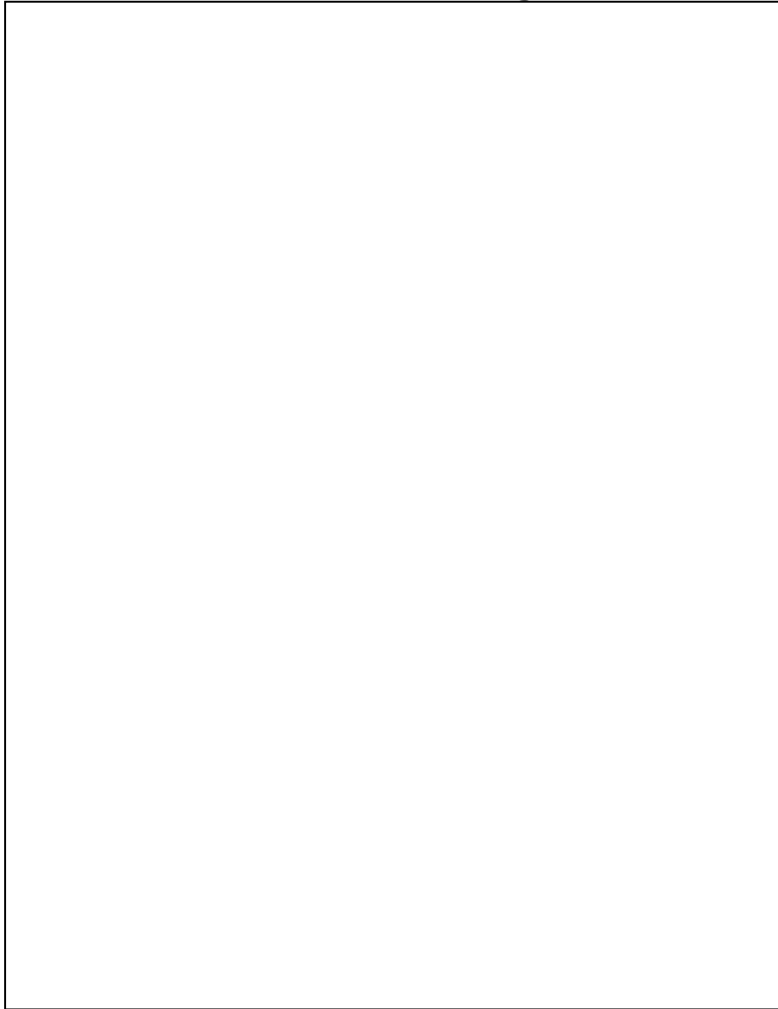
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Lama tree planted near Pā Hula.





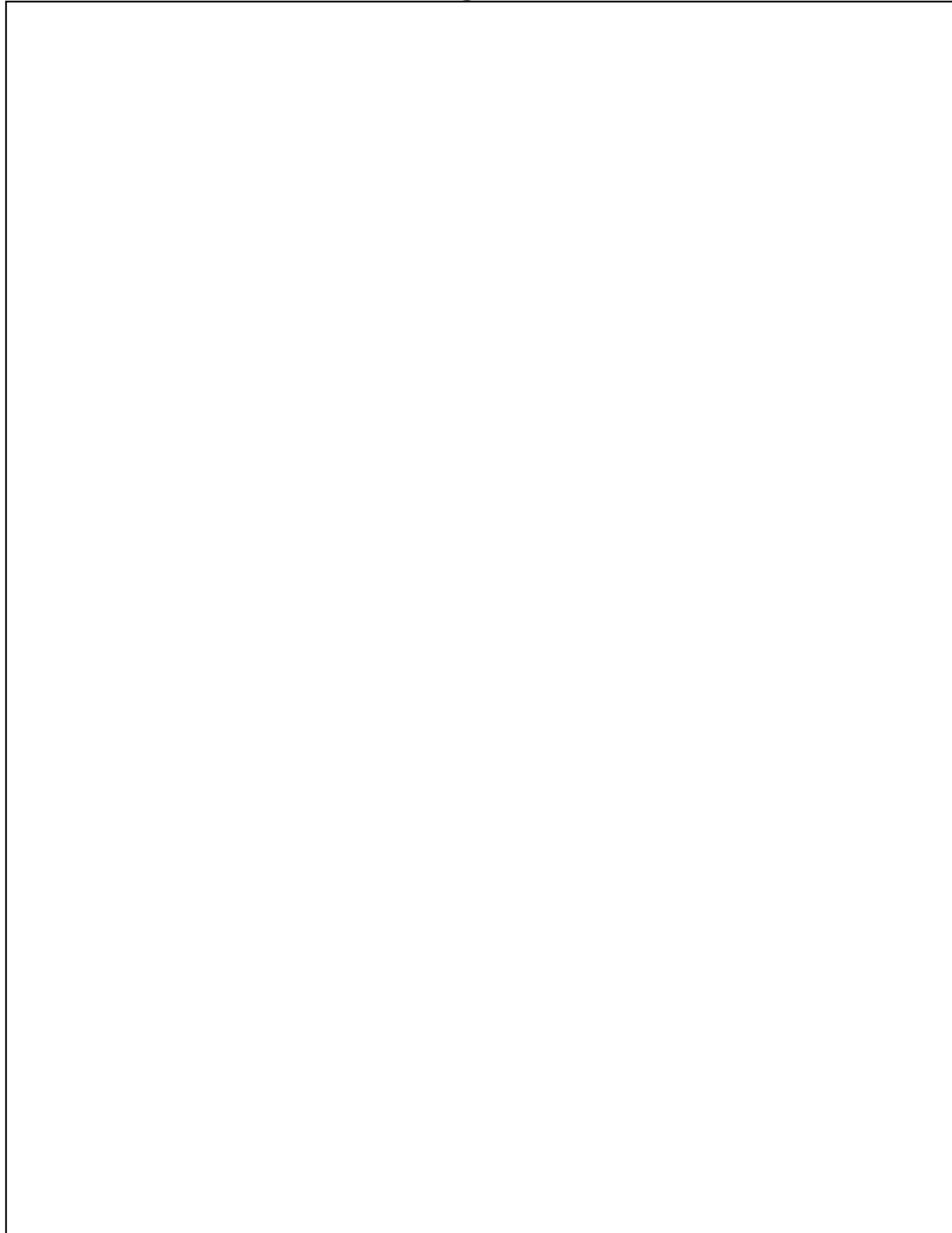
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40 plants in ground near pā hula. Irrigation line flowing.



PROTECT KAHO'OLAWE 'OHANA
Post Huaka'i Report for
August 20-21, 2021



40 plants in ground near pā hula. Irrigation line flowing.



PROTECT KAHO‘OLAWE ‘OHANA

Post Huaka‘i Report for
September 23 - 26, 2021

HUAKA‘I SUMMARY				
Date of Report:	10/9/2021	Dates of Huaka‘i:	September 23-26, 2021	
Name of Submitter:	Davianna McGregor	Phone:	808-222-9728	
Location: Hakioawa				
Final # of Participants:	10			
Participant Groups:	Protect Kaho‘olawe ‘Ohana – Hō‘ola ‘Āina			
STATUS ON STEWARDSHIP PROJECTS (Initiate, Continue, Status, Complete, etc.)				
Place – Description of Work Project	AUG 12-13, 2021	Aug 20-21, 2021	Sept 23-26 2021	
Ka ‘Ai A Kanaloa – Marine Debris Clean-up	yes	No	Yes	
Ka ‘Ai A Kanaloa – Marine Monitoring	YES	No	Yes	
Archaeological/Culture Site Monitoring and Management	NO	No	Yes	
Practice of Hawaiian Arts and Science: Kūkulu Ke Ea A Kanaloa Culture Plan	YES	Yes	Yes	
Ala Loa	NO	No	No	
Trail Stabilization	NO	No	No	
Maintenance of Hakioawa Facilities & Infrastructure	YES	Yes	Yes	
Kilohoku and Kilo Pae Honua	YES	Yes	Yes	
Native plant restoration	NO	Yes	Yes	
Project: Ka ‘Ai A Kanaloa – Marine Debris Clean-UP	STATUS: picked up and took 6 bags of marine debris off island			
Project: Marine Monitoring	Restore health of native coastal landscape – cleared invasive species and debris so that the akiaki along the shoreline could flourish. Day 1 – ocean very calm, only slight breeze; Day 2 – hinelii rain, ocean still calm; throw net and caught some moi; Day 3 – ocean calm; caught some roi; Day - 4 trade winds back			
Project: Archaeological/Cultural site monitoring and management	Installed weed mat in Hale Mua; Measured erosion by the wall in the Hale o Papa. Between March 2015 & Sept 2021 lost 6” at the middle; lost 3 “ at makai corner; lost .5” at mauka corner and lost 1.5” at the middle of the outside wall. Severe erosion potential of Hale O Papa along the stream – need to stabilize the stream bank and use seed matting to hold the sand.			
PROJECT: Practice of Hawaiian Arts & Sciences; Culture Plan	Kapu Kai; Planted 13 native plants and food plants in Hakioawa applying ‘ike kūpuna – Renee Sylva experience. Observed ho‘ailona connected with hali‘a aloha of Cami Kanoa-Wong; offered ho‘okupu at nalu rain ko‘a. Brought a lama kūahu that was gifted to the			



PROTECT KAHO'OLAWE 'OHANA

Post Huaka'i Report for
September 23 - 26, 2021

	'Ohana by Nalani Kanakaole that had been harvested by Kalā Mossman in Panaewa.
PROJECT: Maintenance of Hakioawa Facilities & Infrastructure	Fixed the leak in the Wailuna to valley floor irrigation line; Constructed and painted solar panel structure (Haleakalā); Unloaded 8 plywood for the solar roof that the panels will sit on; reinforced the floor of the Hawai'i-island side lua (left side).
Project: Kilohoku & Kilo Pae Honua	Morning E Ala E and pre-dawn observations on Days 2 & 3; Lā'au harvest moon rises in the evening
Project: Native plant restoration	Cleared the invasives that were choking the akiaki along the coastal landscape; cleared kiawe to open the sunlight makai of the pā hula and then planted 13 natives – ulei, nehe & mai'apilo; also planted 3 ti leaves and 4 kō from Honua'ula for Kāne ho'okupu; Survey of native plant species in river bed – observed healthy mai'a pilo below a health wiliwili grove with about 6 trees in the back of the valley. Held meeting of Anna Palamino with Namaka Whitehead and Ho'ola 'Āina regarding the potential for the propagation of Kapalupalu O Kanaloa plant in Hakioawa. Surveyed native plants and erosion control from Hakioawa valley floor mauka to Lua Makika.
HEALTH & SAFETY: Describe briefly and attach Incident Report, if applicable. NONE	
UXO Encountered: NONE	
CONDITIONS: Ocean: Calm Weather and seas; Weather: first day clear, second day overcast with hineli'i rain; third day clear. Trails – Hawai'i-island side mauka-makai trail up to the hard pan needs to be stabilized.	
First Aid – brought over the AED and took it off of island	
VECTOR CONTROL	2 cats
NOTES:	Mahalo KIRC for support



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LUA	Panel Clear of Debris?	Light Working?	Fan Working?	Lock Working?	Chip Supply (50# Bag)	Notes
#1 Lāna‘i Side - Mauka	‘ae	‘ae	‘ae	‘ae	1	
#2 Lāna‘i Side - Makai	‘ae	‘ae	‘ae	‘ae	1	
#3 Hawai‘i Island Side - Right	‘ae	no	no	‘ae	1	Fan not working
#4 Hawai‘i Island Side - Left	‘ae	no	no	‘ae	1	Fan not working.

FINAL ITINERARY	
DAY/DATE	LOCATION & ACTIVITY
DAY 1 September 23	10 participants arrived at dawn from Ma‘alaea and Kīhei via Pualele and PKO zodiac. Participants did Kapu Kai, set up camp and did safety brief, observing COVID social distancing and wearing of masks and kitchen serving protocol. Did photo documentation of camp set up for Access Manual. Participants repaired the leak in the irrigation line; constructed Haleakalā; cleared a kiawe tree that had been felled during the August 20-21 huaka‘i and put the branches in the stream bed for erosion control; cut more kiawe trees makai of the pā hula to open the planting area to sunlight and hauled the branches to the stream bed and by the imu; prepped the area and pots for planting. Discussed strategic plan for Ho‘ola ‘Āina.
Day 2 September 24	Pre-dawn observations and E Ala E. Placed a weed mat in the Hale Mua to control the growth of invasives. Cleared marine debris and invasives from the coastal area akiaki. Held a meeting with Namaka Whitehead and Anna Palomino to discuss the potential for propagating Kapalupalu O Kanaloa in Hakioawa. Walked up the stream bed to survey erosion and native plants and observed erosion along the base of the Hale O Papa and a healthy mai‘a pilo and the wiliwili grove. Felled more Kiawe and hauled away.
Day 3 September 25	Pre-dawn observations and E Ala E. Three persons did holo mauka to survey native plants and observe erosion. Did measurements of erosion around the Hale O Papa wall. Planted the native species and food plants and installed irrigation lines for the plants. Painted the



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	Haleakalā. Reinforced the floor of the Hawai'i-side lua (left).
Day 4 September 26	Pualele arrived at 6:30am and dropped off 8 plywood sheets for the Haleakalā. Planted some akiaki by the Kanaloa ko'a. Left Hakioawa at 7:30am via Pualele and 'Ohana zodiac and returned to Kihei around 9:00am



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Post Huaka‘i Report for
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Volunteer Vessel, Captain and Crew List					
		Vessel Name	Crew LAST NAME	Crew FIRST NAME	Age
	1.	PKO Zodiac	Figuroa	Wendell	A
	2.	PKO Zodiac	Elizares	CJ	A
	3.	PKO Zodiac	Agliam	Tyson	A
	4.	PKO Zodiac	Aiwohi	Lopaka	A
	5.	Pualele	Luuwai	Robert Kalei	A
	6.	Pualele	Luuwai	Kawai	A



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Mai'a Pilo out of a cliff up the Hakioawa streambed



Ho'ola 'Āina hui with Mai'a Pilo.

Wiliwili grove above the mai'a pilo



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Reinforced floor of lua on Hawai'i Island-side, left



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Flourishing food plants – including olena



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Top Left: laying irrigation line for new plantings Top Right: Completed Solar frame before being painted
Bottom Left and Right new plantings with irrigation, makai of Pā Hula



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Post Huaka'i Report for
Nowemapa 17 - 21, 2021

HUAKA'I SUMMARY				
Date of Report:	11/21/2021	Dates of Huaka'i:	Nowemapa 17 - 21, 2021	
Name of Submitter:	Momi Wheeler	Phone:	(808) 430-2557	
Location:	Hakioawa, Hakioawa Iki, Wailuna, Pu'u Moa'ula Iki, Lelehune, Pu'u Moa'ula Nui			
Final # of Participants:	18			
Participant Groups:	Protect Kaho'olawe 'Ohana (PKO)			
STATUS ON STEWARDSHIP PROJECTS (Initiate, Continue, Status, Complete, etc.)				
Place - Description of Work Project	Aug. 12-13, 2021	Aug. 20-21, 2021	Sept. 23-26, 2021	Nov. 17-21, 2021
Ka 'Ai A Kanaloa - Marine Debris Clean-up	X		X	
Ka 'Ai A Kanaloa - Marine Monitoring	X		X	X
Archaeological/Culture Site Monitoring and Management			X	
Practice of Hawaiian Arts and Science: Kūkulu Ke Ea A Kanaloa Culture Plan	X	X	X	X
Ala Loa Maintenance and Stabilization				
Maintenance of Hakioawa Facilities & Infrastructure	X	X	X	X
Kilohōkū and Kilo Pae Honua	X	X	X	X
Native plant restoration		X	X	X
Project: Ka 'Ai A Kanaloa - Marine Monitoring	STATUS: Observed a few native sea birds ('ā, 'iwa) and a few koholā offshore throughout our huaka'i.			
Project: Practice of Hawaiian Arts and Science: Kūkulu Ke Ea A Kanaloa Culture Use Plan	STATUS: Opening of the 40 th Makahiki season has been fulfilled; observations of related hō'ailona; Mo'olono continue to elevate Makahiki ceremonies; honoring of Papa, Kanaloa, Kāne.			
PROJECT: Maintenance of Hakioawa Facilities & Infrastructure	STATUS: After 'aha was fulfilled, 8 'Ohana installed mesh covering over water tank at Wailuna (see Figure 1)			
Project: Kilohōkū and Kilo Pai Hōnua	STATUS: Hō'ailona WIDE...11.17.21 early morning, ocean mālie and greeted by 9 'iwa; 11.20.21 lunar eclipse; we observed many plants flowering and/or seeding makai and mauka (i.e. ākulikuli, pōhuehue; 'a'ali'i; naio; alena; 'ilima papa; pa'ūohi'iaka; pili).			
Project: Native Plant Restoration	STATUS: Ensured māla 'ai was receiving water from drip line + ensured native plants planted between Nāmakapili and Ka'ie'ie were receiving water from drip lines (see Figure 2 and Figure 3)			



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HEALTH & SAFETY: Describe briefly and attach Incident Report, if applicable. None, mahalo nā akua!						
UXO Encountered: None, mahalo nā akua!						
CONDITIONS: Ocean – 11.17.21 to 11.18.21, Kona winds continued so ocean mālie. 11.19.21 to 11.21.21, trade-winds returned so cool mornings, somewhat windy mid-mornings, and ocean mālie early morning with normal mid-morning wind swell. Weather – 11.17.21 to 11.18.21, Kona winds so ikiiki and sunny. 11.19.21 to 11.21.21, trade-winds returned so cool makani, overcast, and partially sunny at times. Trails – Continued trail maintenance and stabilization on both Lāna‘i and Hawai‘i Island side.						
HAKIOAWA SITE SUMMARY						
LUA	Panel Clear of Debris?	Light Working?	Fan Working?	Lock Working?	Chip Supply (50# Bag)	Notes
#1 Lāna‘i Side – Mauka	‘ae	‘ae	‘ae	‘ae	1	
#2 Lāna‘i Side – Makai	‘ae	‘ae	‘ae	‘ae	1	
#3 Hawai‘i Island Side - Right	‘ae	‘ae	NO	‘ae	1	Fan Not Working
#4 Hawai‘i Island Side - Left	‘ae	‘ae	NO	‘ae	1	Fan Not Working
FIRST AID	AED Charged? ‘Ae			O2 Tank Full and Working? ‘Ae		
VECTOR CONTROL	A few pōpoki					
NOTES:	<ul style="list-style-type: none"> • Mana-full Wehena Makahiki...hō‘ailona wide!!! • Mahalo piha to KIRC for all your kōkua! • 11/17/21 AED was brought to Hakioawa. 11/21/21 AED and radio Pelican cases were brought back to Maui and left at the KIRC boathouse. <p>All 18 ‘Ohana adhered to the COVID-19 Safety Protocols, Po‘o: Overall – Kaliko Baker; Zodiac & Kitchen/Food - Derek Mar Jr.</p> <p>State of Hawai‘i - All volunteers will:</p> <ul style="list-style-type: none"> • Wear masks + physical distance 					



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	<p>Maui County - All volunteers will</p> <ul style="list-style-type: none"> • Follow all Covid-19 Maui Country Travel Guidelines <p>Protect Kaho‘olawe ‘Ohana</p> <p>Transit via ‘Ohana Zodiac Covid-19 protocols</p> <ul style="list-style-type: none"> • Mask wearing which includes transfer between vessels • Masks may be removed when entering the water to swim to shore <p>On-island</p> <ul style="list-style-type: none"> • Pre-huaka‘i orientation by Kua • Washing hands • Mask wearing + may be removed when outdoors and physically distanced • Physical distancing <p>Food Safety</p> <ul style="list-style-type: none"> • All meals served by designated kua • All water filtrations serviced by a designated kua. <p>Four Lua</p> <ul style="list-style-type: none"> • In addition to regular Clivus Multrum guidelines as listed inside each lua, internal and external door handles will be sanitized after use
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FINAL ITINERARY	
DAY/DATE	LOCATION & ACTIVITY
‘Ekahi 11/17/21 Pō‘akolu	<ul style="list-style-type: none"> • 18 ‘Ohana safely landed via ‘Ōhua and PKO zodiac (<i>captain: Derek Mar</i>) early morning in Hakioawa • Kapu: ‘Ohana remained in Hakioawa to prepare for Makahiki ceremonies
‘Elua 11/18/21 Pō‘ahā	<ul style="list-style-type: none"> • Kapu: ‘Ohana remained in Hakioawa to conduct Makahiki ceremonies
‘Ekolu 11/19/21 Pō‘alima	<ul style="list-style-type: none"> • Kapu until noon: Makahiki procession from Hakioawa to Kuamo‘o via Kealiāluna to Lelehune, Moa‘ula Iki, Moa‘ula Nui and returning via Wailuna in the afternoon • Three ‘Ohana (Tom Brennon, Derek Mar, Maile Maii) remained in Hakioawa
‘Ehā 11/20/21 Pō‘aono	<ul style="list-style-type: none"> • 18 ‘Ohana remained in Hakioawa
‘Elima 11/21/21 Lā Pule	<ul style="list-style-type: none"> • 18 ‘Ohana safely departed Hakioawa to Kihei via Pualele and PKO zodiac



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FINAL PARTICIPANT LIST											
#	LAST NAME	FIRST NAME (Nickname)	AGE	CHAPERONE/ Kāko‘o	GROUP	Participant Safety Identification					NOTES
						KUA	Access Guide	Water Safety	First Responder	First Aid / CPR	
1.	Baker	Kaliko	A		Mo‘olono	X	X	X		X	
2.	Brennon	Tom	A		Mo‘olono	X	X			X	
3.	Mar, Jr.	Derek	A		Mo‘olono	X	X	X		X	
4.	Baker	Kaipulaumakaniolono	A		Mo‘olono	KIT (Kua in Training)	X	X		X	
5.	Chock	Kalama	A		Mo‘olono	KIT		X			
6.	Beyer	Keli‘i	A		MIT (Mo‘olono in Training)			X			
7.	Scanlan	Ka‘ikena	A		MIT	KIT		X			
8.	Nāhuewai	‘Ika‘aka	A		MIT	KIT					
9.	Ho	Kelvin	A		PKO	X	X	X		X	
10.	Wheeler	Momi	A		PKO	X	X			X	
11.	Ho	Kat	A		PKO					X	
12.	Chock	Arianne	A		PKO	KIT					
13.	Chock	Ka‘ilima	13	Arianne	PKO						
14.	Steward	Kanoelani	A		PKO	KIT					
15.	Patterson	Kimberly	A		PKO					X	
16.	Cody	Hoku	A		PKO	X					
17.	Maii	Maile	A		PKO	KIT					
18.	Palupe	Joey	A		PKO						

Captain and Crew List					
#	Vessel Name	Crew - Last Name	Crew - First Name	Age	NOTES
1.	Pualele	Lu‘uwai	Kalei (Captain)	A	11/17/21, 11/21/21
2.	Pualele	Lu‘uwai	Joey	A	11/21/21
3.	Pualele	Lu‘uwai	Kaulu	A	11/21/21
4.	Pualele	Lu‘uwai	Mogul	A	11/21/21



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5.	Pualele	Lu‘uwai	Kawai	A	11/17/21, 11/21/21
6.	Pualele		Dylan	A	11/17/21
8.	PKO Zodiac	Mar	Derek (Captain)	A	11/17/21, 11/21/21
9.	PKO Zodiac	Beyer	Keli‘i	A	11/17/21
10.	PKO Zodiac	Baker	Kaipulaumakaniolono	A	11/17/21, 11/21/21
11.	PKO Zodiac	Scanlan	Ka‘ikena	A	11/17/21, 11/21/21
12.	PKO Zodiac	Brennon	Tom	A	11/21/21



Figure 1. Wailuna - Installed Mesh Cover On Water Tank *(photo courtesy of Momi)*



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Figure 2. Mala 'Ai (Photo courtesy of Momi)



Figure 3. Native Plant friends (Photo courtesy of Momi)