2022 Relevant Requirement	Parikipant Name State of Hawaii, Department of Transportation	For participants with multiple facilities, indicate here the total n which Base Forms have been produced. Complete the Informat Reported on each Base Form. Information Required to be Reported	amber of facilities for on Required to be 3
KSHCP Section 6.6.1.2a, ITP Section M.L. (N. 8, ITL Section 11.1.1	Facility Name, Type, and Facilities, Linue, Hawaii Location: facilities, Linue, Hawaii	Facility State of Hawaii, Department of Transportation Owner: Airports Division	Craig Davis, Kauai Arports District M Facility Contact 3005, Email: Craig M Davis@hawaiig Information Environmental Program Manager Ph Chris.Takeno@hawaii.gov
179 Section M (N)/ITL Section II J	ITP Number: TE74138D-0	ITL Number: ITL-30	I
KSHCP Section 6.6.2.2(1)	List permitted incidental take by species for this facility           22 / 43         Newell's Shearwater           3 / 6         Hawaiian Petrel	1/2 Band-rumped Storm Petrel 0 Green Sea Turtle	
	2022 Annual Lethal and Non-Jethal Take calculated using the methodology descrit		
17P Section I//TL Section II.D	Nortiethal Take: 2.64 Newell's Shearwater 0 Hawalian Petrel	0 Band-rumped Storm Petrel 0 Green Sea Turbe	
	Lethal Take: 2.69 Newall's Shearwater 0 Hawaiian Petrel	0 Band-rumped Storm Petrel 0 Green Sea Turbe	
KSHCP Section 6.6.1.2b, ITP Section M.I. (N.I), ITL Section II.1.2.	x Check here it additional information provided on Addendum Street. Lommarica any proposed changes to the facility with the potential to affect the Covered Species.	In 2022 the public parking for this lengthmend at both the north and south ends parking for tight fatures. The upgrades consist of full out off LED light fatures wh providen upgrades to the lighting infrastructure at Lihue Akiport. All of the work right without the use of any additional or supplemental table gifting requirement	ch are expected to further reduce light attraction risk and an hat was conducted on the resurfacing was performed either
KSHCP Section 6.6.1.2c, ITP Section Mill (Mill) ITL Section 8.1.3.	Identify any changes to facility management/ownership or other key personnel involved in the KSHCP.	Newly appointed Director of Hawaii Department of Transportation, Edward Snift Offer on the ITP and the ITL was signed by Mr. Butay as the authorized official.	en, replaces the previous Director, Jade Butay. Jade Butay re
GHCP Section 6.6.1.2d, ITP Section Mar(N.M.), ITL Section II.1.4.	Describe any requested changes to minimization efforts conducted at the facility the reasons for the requested change.	None – there are no additional changes to minimization efforts being planned or	requested for 2023.
KHCP Section 6.6.1.2e. L ITP	Check here if additional information provided on Addendum Sheet Provide map or description of search route(s) used for conducting searches.		
KSHCP Section 6.6.1.2e.i, ITP Section M.v.1 (N.v.1), ITL Section II.1.5.a	X Check here if map(s) attached or linked. Check here if map(s) not attached and explain at right.	-	See Appendix 1 (Map of Search Routes Fo
SSK2 Section 6.4.1.2 e.3 (17) Section M.o.2 (N +2) (17) Section 11.5 b.	Describe the frequency and tioning of searches conducted at this facility.	promote garcels to foreing and other the source constraint fairs and to get this searching enforming and enformation and enformation of the states and particular of number of the source of the source of the states and the source of the source of number of the source of the source of the source of the source of the original searce of the source of the	The warous parts of the anyone facility, and the outer sector thirds take place, is a restricted area. The AOA is searched Kanagement Yogram. H. T. Harvy and Associates trained as, once ach evening and again pre-Asiev. Apport Sacolity initioning and surveillance capacity. USD-Wildlife Services ps ad and repetitive on-the-ground surveillance and dedicate the Adam of 4 field biologists who conducting night and momini-
KBRCP Section 6.6.1.2 e.H, ITP Section M. v.J. (N. v.J. (TL Section H.I.S.c	Page have it additional upon a mandral and metitings on additional of	particing accessible particles of the Arport, conteils of the secure ADA, they the of caractery histophic bases of their secure conteils of the secure has a the secure histophic bases of their secure conteils of the secure has methods and approaches to reverse high detection capacity and theory secure catacity large and the secure high detection capacity and theory secure and response training the is secure to the secure has a secure that the part response to the secure secure and the secure and the secure and response to the ADA and a paddace cancer areas with in highered foscio and confidentiated cavity throughout the sesson with the r. T. Harvey & Associate and the secure and the secure secure and the secure and the secure and confidentiated cavity throughout the sesson with the r. T. Harvey & Associate and the secure secure and the secure with the r. T. Harvey & Associate and the secure secure secure and the secure secure secure secure and the secure secure secure secure secure secure secure secure and the secure secure secure secure secure secure secure and the secure secure secure secure secure secure secure and the secure secure secure secure secure secure secure secure and the secure secure secure secure secure secure secure secure secure and the secure secure and the secure se	first of October, once the initial training performing performance beins conducting downed seabirds unveillance and search developing familiarity with the search areas, operational as coverage, conducting pre-season searches to enhance fami histelar by grounded seabirds, in addition to the standard sea 3-X Wildfe Services staff biologists are highly trained profese USDFA-Wildfe Services staff biologists performed regular and
GHCP Section 6.6.1.2.e.lx; ITP lection M.v.4 (N.v.4); ITL Section	Complete the Summary Table containing information for all downed seabirds (an	d honu nests) found	See Summary Table
GHCP Section 6.6.1.1	Provide a copy of each Downed Wildlife Report that was prepared and submitted	submitted for this facility during the reporting year	
	X Check here if any reports are attached or linked. Provide a discussion of the efficacy of the current self-monitoring protocols and	Link: The 2022 seabird fallout season represents the third consecutive year that HDO1	See Appendix 2 (Downed Wildlife Incident
KSNCP Section 6.6.1.2.e.v, ITP Section M.v.S.J. ITL Section III.S.e.		stabilished in 2020 and which are reveals and fine hunde schuper's preparation we chosen in the field schupe in distributions and for flack schuper in distribution durates of the low preparation of the schuper in the schuper and the schuper in the field schuper is the schuper is the schuper is schuper's calculated durates and the schuper is schuper's calculated and the schuper durates and the schuper is schuper's calculated and the distribution of the schuper is schuper's calculated and the distribution of the schuper is schuper's calculated and the addition of the schuper is the schuper is schuper is schuper is schuper and the schuper is schuper is schuper is schuper is schuper is schuper addition of the schuper is schuper is schuper is schuper is schuper is schuper addition of the schuper is schuper is schuper is schuper is schuper is schuper addition of the schuper is schuper is schuper is schuper is schuper is schuper addition of the schuper is schuper is schuper is schuper is schuper is schuper addition of the schuper is schuper is schuper is schuper is schuper is schuper addition of the schuper is schuper is schuper is schuper is schuper in schuper is schuper is schuper is schuper is schuper is schuper is schuper is schuper addition of schuper is sch	ns: the skills of h. T. Harvey & Associates trained field biols and characteristics of failout. Motiviting capacity is further cy of the monitoring program to detect downed saebrids we do pORAw, and USDA Wildlife Senvice. Insertis varied and 2022, project managers and searcher personnel diverted em timalistenance creves to maximize the visual detection capa ge option and motion of endosity and the service of the this of perimiter areas, even those that are not illuminated fiscorry rates of searchers at titleus Arport. The 2022 2024 2014
	Check here if additional information provided on Addendum Sheet	ensure that it remains very effective. At this time there are no substantive adjust	provements have continued to enhance the monitoring prog ments to the current monitoring protocols being proposed.
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Ne physical Theorem 21.4. New York of the Contract of the Con	Produkt sum of adjustment of the state of the state of adjustment of the state of the state of adjustment of the state of th	more that it remains any efficience. At this time there are no substanting adjust appear could avoid dentity program in to place at these dampest consistent effi- dentity of the second secon	ment to the durant monthology protocols being proposed the protocols of the Wildlink instand Management Plan, whi to an the available and plan starts of the angement Plan, whi to an the available and plan starts of the angement Plan, whi to an the available and plan starts of the angement plan starts and plan starts and plan starts of the angement plan starts to another available and plan starts of the angement plan starts the angement plan starts and plan starts of the angement plan starts the angement plan starts and plan starts of the angement plan starts the angement plan starts and plan starts of the angement plan starts the angement plan starts and the angement plan starts and the starts and the angement plan starts and the angement plan starts the angement plan starts and the angement plan starts and the starts and the angement plan starts and the angement plan starts the angement plan starts and the angement plan starts and the starts and the angement plan starts and the angement plan starts the angement plan starts and the angement plan starts and the start exclusions

## KSHCP 2022 Participant Annual Report - Addendum Sheet 3, Take Calculations, Lihue Airport

Reporting Year	2022

## Participant Name State of Hawaii, Department of Transportation Kauai Seabird Habitat Conservation Plan U.S. Fish and Wildlife Service ITP No. TE74138D-0 and Hawaii Department of Land and Natural Resources ITL No. ITL-30

Use the spaces below to show how the take calculations are used to estimate take in 2022.

Item # Relevant Requirement

4 ITP Section J/ITL Section II.D

2022 Calculation of Lethal and Non-Lethal Take - Lihue Airport			
Take Estimation Parameter	NESH	HAPE	BRSP
Birds found alive, released from SOS	3	0	0
Birds found dead or euthanized at SOS	1	0.00	0.00
Discovery rate (75%=.75, 50%=.50, etc)	0.75	0.75	0.75
Total annual take (found birds/disc rate)	5.33	0.00	0.00
Lethal take (Observed+Unobserved)	2.69	0.00	0.00
Non-lethal take	2.64	0.00	0.00

Name       State of Having Log and Havin		KSHCP 2022 Participant Annual Report – Summary Table Containing Information on Covered Seabirds Rescued and Reported at Libue Airport											
By Support of Lange	Reporting Year	2022 Participant Nam	state of Hawaii, Department e	of Transportation									
Dut Found         Time         Operative facility         Obscribt Statutions Where Found         OFS Lingthue         OFS Lingthue         Operative Statutions         Describt Statutions         Operative Statutions         Describt Statutions         Operative Statutions         Operati				fe Service ITP No. TE7	4138D-0 and Hawaii								
Date from from from from from from from from	Complete the information below for each downed se				rabird found at the	facility				-	Complete these columns for any ho	anu nest found.	
12-04         Linku Aligor         Territoria         Territa         Territoria <thterr< th=""><th>Date Found</th><th></th><th>Describe Exact Location Where Found</th><th>GPS Latitude</th><th>GPS Longitude</th><th></th><th>File Name</th><th>SOS Reference Number</th><th>Disposition of Seabird</th><th></th><th>Found?</th><th></th><th>Disposition of Nest (if known)</th></thterr<>	Date Found		Describe Exact Location Where Found	GPS Latitude	GPS Longitude		File Name	SOS Reference Number	Disposition of Seabird		Found?		Disposition of Nest (if known)
22 Oct 2002 2000 Lihue Airport Lihue Airport Maintenance Baeyard (Public) 21: 5906.6'N 159' 20'37.3'W NESH NESH NESH NESH NESH NESH 102.7.0.2.2. H007LUH DUX038 Euthanized 40	19-Oct-2022	12:00 Lihue Airport	Jack Harter Helicopters (AOA)	21" 59'05.2" N	159° 20'29.5" W	NESH	NESH_2022_10-19a_HDOT-UH	BSV304	Released	1		THIS SECTION DOES NOT APPLY	Y TO HDOT
	19-Oct-2022	12:24 Lihue Airport	Grass Area South of Radio Communbication Array (ADA)	21" 58'36" N	159° 20'25" W	NESH	NESH_2022_10-19b_HDOT-LIH	BSV303	Released	1			
22-007-2022 21:30 Lihuw Angovit Adjeviti to Algha Gale (Public) 21' 56:382 N 159' 21:06' W NEBH NEBH_2022; 10-278_04:00' Released 1	22-Oct-2022	20:00 Lihue Airport	Lihue Airport Maintenance Baseyard (Public)	21" 59'06.6" N	159° 20'37.3" W	NESH	NESH_2022_10-22a_HDOT-UH	DLR038	Euthanized	40			
	22-Oct-2022	21:30 Lihue Airport	Adjacent to Alpha Gate (Public)	21° 58.582 N	159° 21.045 W	NESH	NESH_2022_10-22b_HDOT-LIH	DLR037	Released	1			

## KSHCP 2022 Participant Annual Report - Addendum Sheet 2, Summary of Predator Control

Reporting Year	2022	State of Hawaii, Department of Transportation	
		Kauai Seabird Habitat Conservation Plan U.S. Fish and Wildlife Service ITP No. TE74138D-0 and Hawaii Department of Land and Natural Resources ITL No. ITL-30	
		Use the spaces below to provide additional information pertaining to pred	lator control efforts at the facility.
Item #	Relevant Requirement KSHCP Section 6.6.1.2.f, ITP Section M.vi (N.vi), ITL Section II.1.6.	Additional Information Trapping effort at Lihue Airport during the 2022 seabird failout season consisted of 8 traps set in the AOA and 2 traps in the public area for a total of 10 traps and 920 trap nights. Traps were specifically placed evenly along the main terminal ramp where operational lighting is most pronounced and at strategic points in the public area to maximize catch probability. A total of 6 cats were captured and removed from Lihue Airport during the 2022 seabird failout season (5 from the AOA and 1 in the public area), yielding a capture success rate of 0.007 cats/trap night. Data on the occurrence of cats at Lihue Airport are gathered twice daily in the publically accessible portions of the facility. H. T. Harvey & Associates search biologists compiled observations of cats and other potential predators that were detected in the public areas for the entire failout season. This information used to inform trap placement and effort. A 3-day pre-season assessment of cats in the public across areas of Lihue Airport was done to establish a relative baseline for evaluating the effectiveness of the animal control measures during the 2022 season. We began with an average of 3.5 cats in the night and 2 in the predamy period. During failout season monitoring we documented between 0-8 (average 3.1) cats on 85 of the surveys (91%) conducted during the predawn period in the public access areas of Siz othus surveys (91%) conducted during the predawn period in the public access area of so the surveys (91%) conducted during the predawn period in the public access area of so the surveys (91%) conducted during the predawn period.	Numbers of Free-Roaming Cats Observed During Pre-Dawn Surveys in the Public Access Areas of Lihue Airport 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		Survey effort was proportionally directed to focus efforts on the AOA, specifically areas known to be associated with failout at Linue Airport. Although our observations of cats are limited to the public access areas, cats were taken in the AOA in 2022 at a rate more comensurate with effort (8 traps, 83% of catch). Trapping in the public access portions of Linue Airport, which is managed by USDA-Wildlife Services, was affected in 2022 due to unanticipated staffing constraints; whereas, normally a sufficient number of USDA-Wildlife Services biologists are able to maintain trapping and removal efforts in the public areas alongside critical WHMP activities. Increasing the number of active traps in the public access reaso of the airport should contribute to more substantial reduction in the numbers of cats present in this portion of the facility and will be a priority in 2023. The trends in the two figures help show the diurnal shift in the numbers of cats seen in the public areas.	Numbers of Free-Roaming Cats Observed During Nighttime Surveys in the Public Access Areas of Lihue Airport

## KSHCP 2022 Annual Report, Addendum Sheet 3, Summary of Training Activities at Lihue Airport

Reporting Yea	r 2022	Participant Name		St	ate of Hawaii, Department of Trans	portation
		-	Kauai Seabird Habitat Conser Resources ITL No. ITL-30	8D-0 and Hawaii Department of Land and Natural		
Date of Training	Training Topic	Property or Facility	Training Group	Number of Attendees	Method of Training Delivery (e.g., video, in-person, educational materials)	Printed Materials or Other Media Provided
9/13/2022	Annual Seabird Awareness, Response, and Reporting	Lihue Airport	HDOT Lihue Airport Operations	7	Microsoft Teams Webinar	Yes. Training Module and Fact Sheet, KSHCP Downed Wildlife Reporting Form
9/15/2022	Annual Seabird Awareness, Response, and Reporting	Lihue Airport	HDOT Lihue Airport Operations	2	Microsoft Teams Webinar	Yes. Training Module and Fact Sheet, KSHCP Downed Wildlife Reporting Form
9/12/2022	Airport Public Area Orientations and Search Procedures including Annual Seabird Awareness and Response Training	Lihue Airport	H. T. Harvey & Associates search and monitoring team	3	In-person	Yes. Maps, Training Module, Fact Sheet, discussion of search area characteristics, historic fallout distribution, demonstration of seabird search methods and procedures, rescue techniques, review of 2021 data sheets, and additional resources
9/13/2022	Airport Public Area Orientations and Search Procedures including Annual Seabird Awareness and Response Training	Lihue Airport	H. T. Harvey & Associates search and monitoring team	2	In-person	Yes. Maps, Training Module, Fact Sheet, discussion of search area characteristics, historic fallout distribution, demonstration of seabird search methods and procedures, rescue techniques, review of 2021 data sheets, and additional resources
9/14/2022	Seabird Awareness and Reporting and Search and Recovery	Lihue Airport	Allied Universal Security, watch commander and several security guards	~ 12	In-person	Yes. Training module and Fact Sheet, KSHCP Downed Wildlife Reporting Form
4/20/2022	Annual Wildlife Hazard Management Program review (139 Training) delivered by USDA-Wildlife Services	Lihue Airport	USDA-Wildiife Services, Aircraft Rescue and Firefighting personnel, Airport Operations and Maintenance, Tenant representatives	: 40	In-person	KSHCP seabird fallout protocols were reviewed including seabird identification, reporting procedures, and reporting forms (including relevant information concerning the role of the Save Our Shearwaters program and points of contact for reporting downed wildlife incidents at Lihue Airport).

Reporting Yea	r 2022	Participant Nam	ne Sta	te of Hawaii, Department of Tra	ansportation
			Kauai Seabird Habitat Conser Department of Land and Natu	vation Plan U.S. Fish and Wildlife Service Iral Resources ITL No. ITL-30	: ITP No. TE74138D-O and Hawaii
ate(s) of Outreach	Description of Outreach	Property or Facility	Outreach Target Audience	Printed Materials or Other Media Provided	Seabird Light Attraction at Airports and Harbors
eek prior to 9/15/2022 and again proximately mid-November	In-person visits to rental car company managers with overview of seabird light attraction and minimization tools, rescue and reporting procedures, and distribution of Fact Sheet; provided "waik-through" scenario-based orientation on site to familiarize what to watch for and how to handle a downed seabird; stressed importance of Fact Sheet distribution to lot staff and pointed out how and why lights can become an attraction risk for seabirds and encouraged shut offs when possible.	Lihue Airport	Management level rental car company staff	Lihue Airport seabird awareness and response training module and Fact Sheet and request to circulate and post on site.	Hawaiian petrel         Newell's shearwater         Wedge-tailed shear           Nating Colonies Mout, Incount, Kavaii         Newell's what Revealer         Wedge-tailed shear
9/2022	Kauai Airports District Manager issues Airport Notice to All Concerned parties to alert airport personal and tenants regarding the sesholf allow season, procedures for rescue and reporting when seabilids are found (dead or alive), the role of USDA APHIS Wildlife Services, and to releare the elajort policy of no cat feeding anywhere at the airport.	Lihue Airport	All airport personnel	Printed and posted and PDF distributed via email to All Parties Concerned	Fledding Dates         Eledding Dates         Eledding Dates         Eledding Dates           September to November         October and November         November and Decempoint           Inside nesting burrows since early summer, fledgling seablinds leave the nest at night and follow the moor to reach the open ocean where they learn to feed. will not return for 34 years.         When the moon is dark, bright lights at airports and
rious communications throughou e season	Regular check-ins with staff on duty during search t activities reviewing seabirds, the fallout season, light attraction risk, and how to minimize by turning off unnecessary lights.	Lihue Airport	Rental Car Service Employees and Managers	Airport Annual Training Module and Seabird Light Attraction Fact Sheets, verbal characterization of seabird light attraction and how to respond efficiently and perfm basic seabird rescue with emphasis on timely notification and reporting.	Band-rumped storm petrel bisting Colonies Kaouk Hawari, Maul Facdang Data Colorer and November IHESE SPECIES ARE PROTECTED BY STATE AND FEDERAL LAW
15/2021 and throughout the ason	A seabird light attraction Fact Sheet containing written materials with overview of seabird light attraction issues, minimization tools, rescue and reporting procedures: was widely distributed among the Lhue Aliport vorkforce with an emphasis on reaching employees and contractors who are active in the AOA. As part of outreach efforts, the Fact here was posted in worker common areas and bulletin boards where it is wishle to staff.	Lihue Airport	Airport staff and contractors	Lihue Airport seabird awareness and response training module and Fact Sheet	Focility lighting is required for sofely and security and during operations
					Turn Off Non-Essential Bright Lights during Seabird Fallout Season September 15 – December 15
DAVID Y. IGE GOVERNOR	ALL OF BRIDE		JADE T. BUTAY DRECTOR		Handling and Reporting Downed Seabirds
AIRPORT NO			Дана ульопо социалося можно соотки шители на перу и врета то: AIR-K 22.096		Frocedures for Rescuing Downed Seabirds
	LL CONCERNED EABIRD FALLOUT SEASON				Carefully approach the seabird from behind     Gently wrap a small dry towel around its back and wings and place it inside
Seabird fallout s tenants are oblig report them as s	season begins September 15 and will continue throu ged to be on high alert for any downed seabirds with oon as possible. It is the responsibility of all airpor irds before moving any type of equipment. All bird	nin property boundaries t tenants and their staff	s and to		well-ventilated small animal carrier or box • Write down Date, Time, Specific Location where the seabird was found, and Name and Contact Information of the person who found it.
should be broug predator activity As a reminder, J Security Dispat Services to assi contact during t any downed sea	pht to USDA APHIS Wildlife Services for documene (i e.g., feral cats) within airport property must be rep please DO NOT FEED CATS on airport property, ch at (808) 274-3814 for assistance in contacting th with collection. USDA APHIS Wildlife Services he failout season and will provide a kennel outside is bird if personnel are limited.	tation and handling. A ported as well. Airport tenants should USDA APHIS Wildli will be the main point	ny call ife of		Reporting Downed Seabil Kavai Linke Arjord - Call Security Dispatch (80 3814) and ask for assistance from USDA Services. Nawiliwili Harbor - Call Harbor Security (8 0673) and SOS (806-635-5117) Port Allen Harbor - Call Harbor Security (8
Craig H. Davis CRAIG H. DAV	VIS				278-0673) and SOS (808-635-5117) Maui and Lanai
Kauai Airports	District Manager oski, USDA APHIS Wildlife Services				Rahului Airport – Call Security Dispatch ( 3875 and 3876) and ask for assistance for Wildlife Services Lanai Airport – Call USDA Wildlife Service 292-2887) and Maul Nul Seabird Recove (808-573-2473) Kahului Harbor – Call Harbor Security (80
					9423) and Maui Nui Seabird Recovery Pr (808-573-2473)
					6 Photo Credits: Maui Nui Seabird Recovery Project (A);

