

KSHCP Participant Annual Report - Base Form

Reporting Year	2022	Participant Name	Hawaii Department of Transportation	For participants with multiple facilities, indicate here the total number of facilities for which Base Forms have been produced. Complete the information required to be reported on each Base Form.	3								
Item #	Relevant Requirement		Information Required to be Reported										
1	KSHCP Section 6.6.1.2, ITP Section M.1 (N.1), ITL Section II.1	Facility Name, Facility Type and Location	Port Allen Harbor, small commercial maritime port facilities, Port Allen, Hawaii	Facility Owner	Hawaii Department of Transportation Harbors Division Facility Contact: Robert Crowell, Kauai Harbors District Manager Ph: 808-241-3756, Email: Robert.Crowell@hawaii.gov and Chris Takano, Environmental Program Manager Ph: 808-546-2504, Email: Chris.Takano@hawaii.gov								
2	ITP Section M (N/ITL Section II.)	ITP Number	TE74138D-0	ITL Number	ITL-30								
3	KSHCP Section 6.6.2.1)	List permitted incidental take by species for this facility (beta/non-lethal)	<table border="1"> <tr> <td>11/16</td> <td>Hawai'i Shearwater</td> <td>0/0</td> <td>Band-rumped Storm Petrel</td> </tr> <tr> <td>2/10</td> <td>Hawaiian Petrel</td> <td>0</td> <td>Green Sea Turtle</td> </tr> </table>	11/16	Hawai'i Shearwater	0/0	Band-rumped Storm Petrel	2/10	Hawaiian Petrel	0	Green Sea Turtle		
11/16	Hawai'i Shearwater	0/0	Band-rumped Storm Petrel										
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4	ITP Section J/ITL Section I.D	2022 Annual Lethal and Non-lethal Take calculated using the methodology described in the KSHCP Nonlethal Take	<table border="1"> <tr> <td>0</td> <td>Hawai'i Shearwater</td> <td>0</td> <td>Band-rumped Storm Petrel</td> </tr> <tr> <td>0</td> <td>Hawaiian Petrel</td> <td>0</td> <td>Green Sea Turtle</td> </tr> </table>	0	Hawai'i Shearwater	0	Band-rumped Storm Petrel	0	Hawaiian Petrel	0	Green Sea Turtle		
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5	KSHCP Section 6.6.1.2b, ITP Section M.1 (N.1), ITL Section II.2	Lethal Take	<table border="1"> <tr> <td>0</td> <td>Hawai'i Shearwater</td> <td>0</td> <td>Band-rumped Storm Petrel</td> </tr> <tr> <td>0</td> <td>Hawaiian Petrel</td> <td>0</td> <td>Green Sea Turtle</td> </tr> </table>	0	Hawai'i Shearwater	0	Band-rumped Storm Petrel	0	Hawaiian Petrel	0	Green Sea Turtle	See Addendum Sheet 1, Take Calculations	
0	Hawai'i Shearwater	0	Band-rumped Storm Petrel										
0	Hawaiian Petrel	0	Green Sea Turtle										
6	KSHCP Section 6.6.1.2c, ITP Section M.1 (N.1), ITL Section II.3	Summarize any proposed changes to the facility with the potential to affect the Covered Species.	In 2017, all wall mounted light fixtures were replaced with downward pointing, full cutoff LED light fixtures. The upgraded downward pointing wall mounted light fixtures are compliant with night sky protection strategy under HRS Section 201-4.5. In 2022, HDOT replaced all of the warehouse siding and applied a light color and texture intended to reduce glare and further minimize light attraction exposure risk for seabirds at Port Allen Harbor. This work was scheduled and completed prior to the 2022 seabird fallout season. Shortly after the season got underway, a new light shield was installed on the existing main warehouse light that is used to illuminate the parking and pedestrianway corridor between the pier and the muska parking area utilized by many port users. The completion of the warehouse siding project and shielding of the main warehouse light have reduced the light attraction risk for seabirds considerably. No additional changes are proposed in 2023.										
7	KSHCP Section 6.6.1.2c, ITP Section M.1 (N.1), ITL Section II.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 Siffen, replaces the previous Director, Jade Butay. Jade Butay remains listed as Principal Offer on the ITP and the ITL was signed by Mr. Butay as the authorized official.										
8	KSHCP Section 6.6.1.2c, ITP Section M.1 (N.1), ITL Section II.3	Describe any requested changes to minimization efforts conducted at the facility and the reasons for the requested change.	None.										
9	KSHCP Section 6.6.1.2e, ITP Section M.1 (N.1), ITL Section II.5.a	Provide map or description of search routes used for conducting searches.	<input checked="" type="checkbox"/> Check here if additional information provided on Addendum Sheet. Link: See Appendix 1 (Map Showing General Search Routes Followed)										
10	KSHCP Section 6.6.1.2e, ITP Section M.2 (N.2), ITL Section II.5.b	Describe the frequency and timing of searches conducted at this facility.	Searches were conducted twice each day at Port Allen Harbor as outlined and prescribed in the KSHCP and HDOT's Participant Inclusion Plan. These surveys were performed each night within 3-4 hours after sundown and then again within 1 hour of sunrise, on 92 consecutive days beginning on September 13th and concluding on December 13th. Port Allen Harbor is open to the public 24 hours per day with no on-site security presence. H. T. Harvey and Associates assigned trained field biologists to conduct the twice daily searches of Port Allen Harbor. H. T. Harvey & Associates biologists conducted 184 searches on consecutive nights and mornings in 2022.										
11	KSHCP Section 6.6.1.2e, ITP Section M.3 (N.3), ITL Section II.5.c	Describe the personnel involved in search efforts at this facility.	In 2022, the downed seabird monitoring at Port Allen Harbor was conducted by two trained and seasoned H. T. Harvey & Associates field biologists - Rick Foules and Mitchell Craig. Both biologists have been responsible for seabird search and monitoring activities at Port Allen Harbor for multiple years and are very familiar with the property. Searcher training included site orientation review, discussion of circumstances and gear/fat distribution characteristics, seabird and situational awareness, downed seabird response, rescue and KSHCP reporting procedures. In addition to the dedicated searchers, HDOT staff present on site during normal daytime work hours were also trained and capable of detecting downed seabirds and initiating the proper procedures for handling and reporting downed seabird incidents.										
12	KSHCP Section 6.6.1.2e, ITP Section M.4 (N.4), ITL Section II.5.d	On the worksheet provided, complete the Summary Table of search efforts for all downed birds and hours nests found.	<input checked="" type="checkbox"/> Check here if additional information provided on Addendum Sheet. Link: See Summary Table										
13	KSHCP Section 6.6.1.1	Provide a copy of each Downed Wildlife Incident Documentation and Reporting Form submitted for this facility.	<input checked="" type="checkbox"/> Check here if any reports are attached or linked. Link: See Appendix 2 (Downed Wildlife Incident Reports)										
14	KSHCP Section 6.6.1.2e, ITP Section M.5 (N.5), ITL Section II.5.e	Provide a discussion of the efficacy of the current self-monitoring protocols and adaptive management and whether adjustments need to be made. Describe any proposed adjustments.	The effectiveness of the 2022 monitoring program at Port Allen Harbor was enhanced by the skill of the trained searchers combined with the training and review of procedures prior to the beginning of the seabird fallout season. The training and preparations for the fallout season included a thorough review of the search area and past distribution of downed seabirds and circumstances associated with those incidents. We also reviewed the position of decoys used in 2021 to evaluate discovery rates of searches and incorporated lessons learned about various factors affecting detection, such as vegetation cover and concealed spaces that birds light utilize for cover. The monitoring effectiveness was evaluated following each of the two downed seabird discoveries at Port Allen Harbor in 2022 to highlight searcher attentiveness, situational awareness, and ability to quickly find and rescue downed seabirds when they are found. There were no circumstances that triggered in-season corrections or substantive retraining with respect to the standard monitoring protocols, response procedures, and reporting at Port Allen Harbor in 2022. There are no proposed adjustments to the current protocols at this time.										
15	KSHCP Section 6.6.1.2, ITP Section II.6	Provide a summary discussion of the results and efficacy of on-site animal control efforts and adaptive management.	Prior to the start of the 2022 seabird fallout season, biologists performed reconnaissance level surveillance of Port Allen Harbor to evaluate the initial numbers of predators (i.e. cats) at Port Allen Harbor in order to establish a baseline from which to assess the efficacy of predator control during the course of the season. Somewhat surprising to us, there were no cats observed on three separate surveys for Port Allen Harbor between September 9-13, 2022. Predator control activities at Port Allen Harbor in 2022 were planned to direct trapping in areas where cats are known to be present, based on past monitoring data and what was being reported by biologists in 2022. H. T. Harvey & Associates searchers will typically record the number and locations of free-roaming cats that were observed during downed seabird search and monitoring activities, during both evening and pre-dawn survey periods, and report those observations quickly and efficiently to HDOT Harbors Division personnel. Only one cat was reported at Port Allen Harbor in 2022 - in stark contrast to historic occurrence at this facility. Harbors Division staff typically deploy 2 Tomahawk-style live traps at the Port Allen Harbor Monday through Thursday. Traps are not set on weekends because of concerns that traps won't be checked on days when HDOT staff are not present on site. Harbors Division again retained the services of a licensed animal control team to take possession of cats, if captured, the same day. However, no cats or other free-roaming animals were captured and no dogs were observed within the Port Allen Harbor facility in 2022. We understand that adjacent properties and facilities have active cat control programs in place, which began in earnest in 2020 and continued through 2021. We observed a corresponding decline in the numbers of cats present at Port Allen Harbor beginning in 2020 and that trend has continued with 9 cats observed in 2021 and only one in 2022. Thus, evaluating the efficacy of HDOT's predator control efforts at Port Allen Harbor in 2022 was limited by small sample sizes and the overall absence of cats at this facility. What appears evident is that the densities of cats at Port Allen Harbor and adjacent properties has declined considerably, and this likely corresponds to a significant reduction in the risk to downed seabirds.										
16	KSHCP Section 6.6.1.2g, ITP Section M.vii (N.vii), ITL Section II.7	On the worksheets provided, provide a summary of worker training efforts and outreach efforts.	<input checked="" type="checkbox"/> Check here if additional information provided on Addendum Sheet. Link: See Addendum Sheets 3 and 4										
17	KSHCP Section 6.6.1.2h, ITP Section M.viii (N.viii), ITL Section II.8	Describe any other relevant information that the wildlife agencies may require to verify compliance with the permit issued.	NA										
18	ITP Section M.6 (N.6), ITP Section III.5.f	Provide photographs of covered properties or operations during non-seabird season and during seabird season.	<input checked="" type="checkbox"/> Check here if photos are attached or linked. Link: See Appendix 3 (Photos of Covered Facilities)										
19	KSHCP 6.6.1.2	Provide photographs illustrating any proposed changes to lighting, facility predator control programs, outreach and training or downed bird recovery protocols.	NA										
20	ITP Section M (N/ITL Section II.)	If applicable, describe any circumstances that triggered adaptive management and how the adaptive management was implemented.	NA										
21	ITP Section M (N/ITL Section II.)	If applicable, describe all occurrences of changed circumstances and how they were addressed.	NA										
22	ITP Section M (N/ITL Section II.)	If applicable, describe any unforeseen circumstances.	NA										
23	ITP Section M (N/ITL Section II.)	If applicable, describe progress made in achieving biological goals and objectives.	Standard security, worker, tenant, and public safety procedures at Port Allen Harbor require that some facility lighting remain on at night. The main light illuminating the parking lot and wall mounted lights along the seaward side of the warehouse are programmed to be on from 18:00 to 20:30 each night to provide for the safety of workers and visitors disembarking from tour boats and departing from the pier and parking area. At 20:30, the main warehouse light goes off and the wall mounted lights along the south and west sides of the warehouse are reduced to 50% capacity (i.e. every other wall mounted light is turned off) and remain at this level until dawn each day. HDOT Harbors Division replaced the warehouse siding and applied new paint utilizing a bright color and flat texture that is intended to reduce glare caused by the wall mounted lights. In addition, a shield was installed over the main warehouse light fixture that further reduces the amount of light cast in the horizontal plane and thereby enhancing the effectiveness of light minimization at the facility. Combined, these measures are expected to minimize light attractor exposure for seabirds and contribute to biological goals and objectives at Port Allen Harbor.										
24	ITP Section M (N/ITL Section II.)	If applicable, identify any problems that occurred and how they were handled.	NA										
25	ITP Section M (N/ITL Section II.)	If applicable, provide a description of cost expenditures and other information related to funding assurances (e.g., summary of KSHCP financial status, including any KSHCP mitigation fees owed).	HDOT Harbors Division, KSHCP Conservation Measures Implementation Funding Account: Total Deposit = \$18,200.00 (Year 3, 2022). This payment is combined for both Nawiliwili Harbor and Port Allen Harbor facilities.										
26	KSHCP Section 6.6.1.4	Certification	<p>I certify that to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of this report, the information is true, accurate, and complete.</p> <p align="center">Insert electronic signature in space above.</p>										

Summary of 2022 Take of Covered Seabirds at Port Allen Harbor

Reporting Year 2022

Participant Name State of Hawaii, Department of Transportation
 Kauai Seabird Habitat Conservation Plan U.S. Fish and Wildlife Service ITP No. TET4138D-0 and Hawaii Department of Land and Natural Resources ITP No. ITP-30

Complete these columns for each Covered seabird documented and found.											Complete these columns for any honu nest found.		
Date Found	Time Found	Property or Facility	Describe Exact Location Where Found	GPS Latitude	GPS Longitude	Species (NESH, HAFU, BKSP)	File Number or Bird Identification	SOS Reference Number	Disposition of Bird (Identify SOS Aid Station or other disposition bird was dead. Note whether bird was released by SOS, if known.)	Days in SOS Care	Honu Nest Found? (Yes or No)	Describe Any Honu Nest Protection Efforts Implemented	Disposition of Nest (if known)
9/29/2022	22:30	Port Allen Harbor	Just below parking lot along hardened shore near and upland of the spill containment unit	21° 53' 59" N	159° 35' 14" W	NESH	NESH_2022-09-29-HDOT-PA	80V000	Released	3			
10/25/2022	21:00	Port Allen Harbor	HDOT Port Allen Harbor outmost portion of the commercial pier along the seaward edge of the warehouse	21° 53' 58" N	159° 35' 23" W	NESH	NESH_2022-10-25-HDOT-PA	DCH042	Released	2			

This section is not applicable to HDOT Covered Facilities

KSHCP Participant Annual Report - Addendum Sheet 1, 2022 Take Calculations, Port Allen Harbor

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 space below to show the calculations used to estimate take of Covered seabirds at Nawiliwili Harbor in 2022.

Item #

Relevant Requirement

4

ITP Section I/ITL
Section II.D

2022 Calculation of Lethal and Non-Lethal Take - Nawiliwili Harbor

Take Estimation Parameter	NESH	HAPE	BRSP
Birds found alive, released from SOS	2	0	0
Birds found dead or euthanized at SOS	0.00	0.00	0.00
Discovery rate	0.50	0.90	0.90
Total annual take (found birds/disc rate)	4.00	0.00	0.00
Lethal take (Observed+Unobserved)	2.24	0.00	0.00
Non-lethal take	1.76	0.00	0.00

KSHCP Annual Report, Addendum Sheet 3 – Summary of Training at Port Allen Harbor

Reporting Year		Participant Name				
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						
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
9/7/2022	Seabird Awareness, Rescue and Reporting	Nawiliwili Harbor	HDOT Harbors Division Staff and Site Security	6	MS-Teams Webinar	Yes. Training module and Fact Sheet, KSHCP Downed Wildlife Protocol and Incident Documentation and Reporting Form
9/12/2022	Site-Specific Orientations (emphasis on Port Allen Harbor)	Port Allen Harbor	H. T. Harvey & Associates Port Allen monitoring team	2	In person	Yes. Training module and Fact Sheet, KSHCP Downed Wildlife Protocol and Incident Documentation and Reporting Form; Port Allen specific training orientation for staff responsible for performing downed seabird monitoring activities at Port Allen Harbor.

KSHCP Annual Report – Summary of Outreach Activities at Port Allen Harbor

Reporting Year	2022	Participant Name	State of Hawaii, Department of Transportation Hawaii Seabird Habitat Conservation Plan U.S. Fish and Wildlife Service FFP No. 1274338D-0 and Hawaii Department of Land and Natural Resources FFL No. 17-30	
Date(s) of Outreach Effort	Description of Outreach Effort (including method of delivery)	Property or Facility	Outreach Target Audience	Printed Materials or Other Media Provided
Throughout the season	Periodic check-ins with HDOF Harbors Division staff at Port Allen and Neahouli Harbor to inquire where assistance may be needed, provide advance notice ahead of periods of higher fallout probability (low moon), highlight assessments, and review fundamental elements of seabird assessments, rescue, response, and reporting requirements.	Port Allen Harbor	HDOF personnel assigned to Port Allen Harbor and Neahouli Harbor management staff	Training modules and Fact Sheet
9/15/2022 and throughout the season	The seabird awareness Fact Sheet was posted in the window of the harbor agent's office facing the pier where visible to staff, tenants, and the public and inside the storage warehouse in plain view to all facility users including worker common areas.	Port Allen Harbor	HDOF staff and tenants	Seabird Awareness Fact Sheet
9/20/2022 and as needed throughout the season	Copies of the seabird awareness Fact Sheet were delivered to tenants (shore and off-shore) and sightseeing tourboat operators during the first week of the fallout season. Multiple copies of the 2022 Seabird Light Attraction Fact Sheet were provided and managers and vessel captains were encouraged to post the Fact Sheet in plain view and make copies available to customers and staff.	Port Allen Harbor	Harbor tenants and visitors	Seabird Awareness Fact Sheet

Seabird Light Attraction of Airports and Harbors

Heermann gull

Hawaii, California
Mainland, Hawaii
February through
September to November

Newell's shearwater

Hawaii, California
Mainland, Hawaii
February through
October and November

Wedge-tailed shearwater

Hawaii, California
Cooked Awaiki Sides, Awaiki
November and December

Inside nesting burrows since early summer, **Red-tailed seabirds leave the nest at night** and follow the moonlight to reach the open ocean where they learn to feed. They will not return for 3-4 years.

When the moon is dark, **bright lights at airports and harbors can attract Red-tailed seabirds** which sometimes collide with structures or become grounded.

Grounded seabirds are vulnerable to predators such as cats and dogs, as well as machinery. The light attraction and grounding phenomena is called "Fallout".

THESE SPECIES ARE PROTECTED BY STATE AND FEDERAL LAW

Facility lighting is required for safety and security and during operations.

When the moon is full it **exceeds the brightness** of facility lighting.

Turn Off Non-Essential Bright Lights during Seabird Fallout Season September 15 – December 15

Handling and Reporting Downed Seabirds

Procedures for Rescuing Downed Seabirds

- Carefully approach the seabird from behind.
- Identify wings, a small dry towel, around its back and wings and place it inside a well-ventilated small animal carrier or box.
- Write down **Date, Time, Specific Location** where the seabird was found, and the **Name and Contact Information** of the person who found it.

Reporting Downed Seabirds

Kauai

Lihue Airport – Call Security Dispatch (808-274-3814) and ask for assistance from USDA Wildlife Services.

Neahouli Harbor – Call Harbor Security (808-276-0479) and EOC (808-635-5117).

Port Allen Harbor – Call Harbor Security (808-276-0479) and EOC (808-635-5117).

Maul and Lanai

Kahului Airport – Call Security Dispatch (808-872-3873 and 3874) and ask for assistance from USDA Wildlife Services.

Lanai Airport – Call USDA Wildlife Services (808-292-6301) and Maui Nui Seabird Recovery Project (808-573-2473).

Kahului Harbor – Call Harbor Security (808-227-7422) and Maui Nui Seabird Recovery Project (808-573-2473).

Photo Credits: Maui Nui Seabird Recovery Project (A.L. Young, B.R. A. Howe, J.C. Howard, D. Hall and S. P. J. de Beer, 2015)