

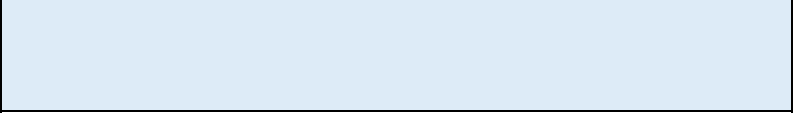
**KSHCP Participant Annual Report - Base Form**

<b>Reporting Year</b>	<b>2023</b>	<b>Participant Name</b>	<b>Hawaii Department of Transportation</b>	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.	<b>3</b>
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Item #	Relevant Requirement	Information Required to be Reported					
1	KSHCP Section 6.6.1.2a, ITP Section M.i. (N.i), ITL Section II.I.1	<b>Facility Name, Facility Type and Location</b>	Port Allen Harbor, small commercial maritime port facilities, Port Allen, Hawaii	<b>Facility Owner</b>	<b>Hawaii Department of Transportation Harbors Division</b>	<b>Facility Contact Information (name, phone, email)</b>	Robert Cecconi, Kauai Harbors District Manager (Acting) Ph: 808-241-3756, Email: Robert.a.Cecconi@hawaii.gov and Chris Takeno, Environmental Program Manager Ph: 808-586-2504, Email: Chris.Takeno@hawaii.gov
2	ITP Section M (N)/ITL Section II.J	<b>ITP Number</b>	<b>TE74138D-0</b>	<b>ITL Number</b>	<b>ITL-30</b>		
3	KSHCP Section 6.6.2.2(1)	<b>List permitted incidental take by species for this facility (lethal/non-lethal)</b>					
		13 / 48	Newell's Shearwater	0 / 0	Band-rumped Storm Petrel		
		2 / 6	Hawaiian Petrel	0	Green Sea Turtle		
4	ITP Section J/ITL Section II.D	<b>2023 Annual Lethal and Non-lethal Take calculated using the methodology described in the KSHCP</b>					
		<b>Nonlethal Take</b>					
		0	Newell's Shearwater	0	Band-rumped Storm Petrel		
		0	Hawaiian Petrel	0	Green Sea Turtle		
		<b>Lethal Take</b>					
		0	Newell's Shearwater	0	Band-rumped Storm Petrel		
		0	Hawaiian Petrel	0	Green Sea Turtle		
		X	Check here if additional information provided on Addendum Sheet.			<b>See Addendum Sheet 1, Take Calculations</b>	
5	KSHCP Section 6.6.1.2b, ITP Section M.ii. (N.ii), ITL Section II.I.2.	<b>Summarize any proposed changes to the facility with the potential to affect the Covered Species.</b>		In 2022, HDOT replaced all of the warehouse siding and applied a paint 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 2022 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 mauka 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 were proposed or implemented in 2023. At this time, there are no facility changes that could affect the covered seabird species being considered or proposed.			
		Check here if additional information provided on Addendum Sheet.					
6	KSHCP Section 6.6.1.2c, ITP Section M.iii (N.iii), ITL Section II.I.3.	<b>Identify any changes to facility management/ownership or other key personnel involved in the KSHCP.</b>		In his official capacity, Mr. Jade Butay executed both the ITP and the ITL on behalf of HDOT. Mr. Ed Sniffen should now be listed as the Principal Officer on the ITP and the ITL.			
7	KSHCP Section 6.6.1.2d, ITP Section M.iv (N.iv), ITL Section II.I.4.	<b>Describe any requested changes to minimization efforts conducted at the facility and the reasons for the requested change.</b>		Following review and discussions with the agencies, HDOT installed a steel shielding to the main light fixture at the front end of the warehouse late in 2022; the shield continued to function properly, as intended, in 2023, to direct light illuminating from the fixture downward, and reduce apparent outward radiance of light. This light is needed to ensure the safety of the pedestrian public entering and leaving the harbor especially during the first few hours of darkness. The shield does not appear to compromise safety requirements and is a good added minimization measure. All standard light minimization schedules for shutdowns along the side of the warehouse fronting the cruise vessels functioned properly in 2023.			
		Check here if additional information provided on Addendum Sheet.					
8	KSHCP Section 6.6.1.2e.i, ITP Section M.v.1 (N.v.1), ITL Section II.I.5.a	<b>Provide map or description of search route(s) used for conducting searches.</b>					

	<input checked="" type="checkbox"/>	Check here if map(s) attached or linked.	Link:	Please see Appendix 1 (Map Showing General Search Routes Followed)
9	KSHCP Section 6.6.1.2.e.ii, ITP Section M.v.2 (N.v.2), ITL Section II.1.5.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 15th and concluding on December 15th. 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 2023.	
10	KSHCP Section 6.6.1.2.e.iii, ITP Section M.v.3 (N.v.3), ITL Section II.1.5.c.	Describe the personnel involved in search efforts at this facility.	In 2023, the downed seabird monitoring at Port Allen Harbor was conducted by two trained and seasoned H. T. Harvey & Associates field biologists -- Rick Foulks and Mitchell Craig. Both biologists have been responsible for seabird search and moinitoring activities at Port Allen Harbor for mutiple years and are very familiar with the property and the user community. Searcher training in 2023 included site orientation review, discussion of circumstances and past fallout distribution characteristics, seabird habits 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 in the course of their normal activities.	
		Check here if additional information provided on Addendum Sheet.		
11	KSHCP Section 6.6.1.2.e.iv, ITP Section M.v.4 (N.v.4), ITL Section II.1.5.d.	On the worksheet provided, complete the Summary Table of search efforts for all downed birds and honu nests found.		
	<input checked="" type="checkbox"/>	Check here if additional information provided on Addendum Sheet.		Please see Summary Table
12	KSHCP Section 6.6.1.1	Provide a copy of each Downed Wildlife Incident Documentation and Reporting Form submitted for this facility.		
		Check here if any reports are attached or linked.	Link:	
13	KSHCP Section 6.6.1.2.e.v, ITP Section M.v.5 (N.v.5), ITL Section II.1.5.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 2023 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 lessons learned about various factors affecting detection, such as vegetation cover and concealed spaces that birds light utilize for cover. In 2023, we used custom fabricated decoys of Newell's shearwaters as a training tool to assess detection likelihood and to build and maintain capacity of searchers. These exercises were valuable because they helped demonstrate searcher attentiveness and situational awareness, equating to the ability to quickly find and rescue downed seabirds when they are discovered. 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 2023. There are no proposed adjustments to the current protocols at this time.	
		Check here if additional information provided on Addendum Sheet.		
14	KSHCP Section 6.6.1.2.f, ITP Section M.vi (N.vi), ITL Section II.1.6.	Provide a summary discussion of the results and efficacy of on-site animal control efforts and adaptive management.	Prior to the start of the 2023 seabird fallout season, biologists performed reconnaissance level surveillance of Port Allen Harbor to evaluate the initial numbers of predators of seabirds (i.e. cats) at Port Allen Harbor, to establish a baseline from which to assess the efficacy of predator control during the course of the season. On three consecutive nights, observers spent 60 minutes at Port Allen Harbor to enumerate cats on property. One cat was observed loitering near the entrance to the harbor on September 10. In 2022, there were no cats observed on three separate surveys of Port Allen Harbor between September 9-13, 2022. Predator control activities at Port Allen Harbor in 2023 were focused on trapping in areas where cats are known to be present, based on past monitoring data and what was being reported by biologists. H. T. Harvey & Associates search biologists typically record the number and locations of free-roaming cats that are observed during downed seabird search and monitoring activities, during both evening and pre-dawn survey periods, and report those observation quickly and efficiently to HDOT Harbors Division personnel. Three cats were recorded at Port Allen Harbor in 2023. Harbors Division staff deployed one Tomahawk-style live trap at the Port Allen Harbor, four days per week, Monday through Thursday. Two cats were captured (October 13 and 28) at Port Allen Harbor in 2023. Harbors Division retains the services of a licensed animal control team that are notified and take possession of cats, when captured, the same day. Although evaluating the efficacy of HDOT's predator control efforts at Port Allen Harbor in 2023 was limited by small sample sizes, the information gathered in 2023 suggests on-site animal control efforts are very successful.	
		Check here if additional information provided on Addendum Sheet.		

15	KSHCP Section 6.6.1.2.g, ITP Section M.vii (N.vii), ITL Section II.I.7.	<b>On the worksheets provided, provide a summary of worker training efforts and outreach efforts.</b>	
		<input checked="" type="checkbox"/>	Check here if additional information provided on Addendum Sheet. <span style="float: right;"><b>Please see Addendum Sheets 2 and 3</b></span>
16	KSHCP Section 6.6.1.2.h, ITP Section M.viii (N.viii), ITL Section II.I.8.	<b>Describe any other relevant information that the wildlife agencies may require to verify compliance with the permit issued.</b>	NA
		<input type="checkbox"/>	Check here if additional information provided on Addendum Sheet.
17	ITP Section M.v.6 (N.v.6), ITP Section II.I.5.f.	<b>Provide nighttime photos of covered properties or operations during non-seabird season and during seabird season.</b>	
		<input checked="" type="checkbox"/>	Check here if photos are attached or linked. <b>Link:</b> <span style="float: right;"><b>Please see Appendix 2 (Photos of Covered Facilities)</b></span>
18	KSHCP 6.6.1.2	<b>Provide photographs illustrating any proposed changes to lighting, facility predator control programs, outreach and training or downed bird recovery protocols.</b>	NA
		<input type="checkbox"/>	Check here if photos are attached or linked. <b>Link:</b>
19	ITP Section M (N)/ITL Section II.I	<b>If applicable, describe any circumstances that triggered adaptive management and how the adaptive management was implemented.</b>	NA
		<input type="checkbox"/>	Check here if additional information provided on Addendum Sheet.
20	ITP Section M (N)/ITL Section II.I	<b>If applicable, describe all occurrences of changed circumstances and how they were addressed.</b>	NA
		<input type="checkbox"/>	Check here if additional information provided on Addendum Sheet.
21	ITP Section M (N)/ITL Section II.I	<b>If applicable, describe any unforeseen circumstances.</b>	NA
		<input type="checkbox"/>	Check here if additional information provided on Addendum Sheet.
22	ITP Section M (N)/ITL Section II.I	<b>If applicable, describe progress made in achieving biological goals and objectives.</b>	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, which is shieled, 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. In 2022, HDOT Harbors Division replaced the warehouse siding and applied new paint utilizing a grayish color and flat texture which reduced glare caused by the wall-mounted lights. In addition, the shield installed over the main warehouse light fixture has further reduced the amount of light cast in the horizontal plane and thereby enhanced the effectiveness of light minimization at Port Allen Harbor. Combined, these measures continue to minimize light attraction exposure for seabirds and contribute to biological goals and objectives at Port Allen Harbor.
		<input checked="" type="checkbox"/>	Check here if additional information provided on Addendum Sheet. <span style="float: right;"><b>Please see Addendum Sheet 5</b></span>
23	ITP Section M (N)/ITL Section II.I	<b>If applicable, identify any problems that occurred and how they were handled.</b>	There were no problems or issues that required corrective action in 2023.
		<input type="checkbox"/>	Check here if additional information provided on Addendum Sheet.
24	ITP Section M (N)/ITL Section II.I	<b>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).</b>	HDOT-Harbors Division, KSHCP Conservation Measures Implementation Funding Account: <u>Total Deposit</u> = \$35,894.73 (Year 4, 2023). This payment is combined for both Nawiliwili Harbor and Port Allen Harbor facilities.
		<input type="checkbox"/>	Check here if additional information provided on Addendum Sheet.

KSHCP Section 6.6.1.4	<b>Certification</b>	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.  
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**Insert electronic signature in space above.**

**KSHCP 2023 -- Summary of Take of Covered Seabirds at Port Allen Harbor**

Reporting Year **2023**

Participant Name **State of Hawaii, Department of Transportation**  
 U.S. Fish and Wildlife Service ITP No. **TE74138D-0** and Hawaii Department of Land and Natural Resources ITL No. **ITL-30**

*Complete these columns for each KSHCP Covered Seabird discovered or reported during the monitoring period.*

Date Found	Time Found	Property or Facility	Describe Exact Location Where Found	GPS Latitude	GPS Longitude	Species (NESH, HAPE, BRSP)	File Number or Bird Identification	SOS Reference Number	Disposition	Dispo. Date	Days in SOS Care
<b>NO KSHCP COVERED SEABIRDS WERE DISCOVERED in 2023</b>											

**Supplemental MBTA Species discovered, reported and processed with SOS in 2023**

Date Found	Time Found	Property or Facility	Describe Exact Location Where Found	GPS Latitude	GPS Longitude	Species (NESH, HAPE, BRSP)	File Number or Bird Identification	SOS Reference Number	Disposition	Dispo. Date	Days in SOS Care
11/15/2023	05:00	Port Allen Commercial Harbor	Just inside and to the east of the main entrance.	21° 54'01" N	159° 35'16" W	WTSH	WTSH_2023_11-15a_HDOT-PA	TAO062 or TAO063	Released	11/15/2023	NA
11/15/2023	20:10	Port Allen Commercial Harbor	On the outermost portion of the pier.	21° 53'57" N	159° 35'34" W	WTSH	WTSH_2023_11-15b_HDOT-PA	EJS066	Released	11/16/2023	NA

**KSHCP 2023 -- Addendum Sheet 1, Take Calculations, Port Allen Harbor**

Reporting Year **2023**

Participant Name **State of Hawaii, Department of Transportation**

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 2023*

Item #	Relevant Requirement	NO KSHCP COVERED SEABIRDS DISCOVERED or REPORTED in 2023			
4	ITP Section J/ITL Section II.D	<b>2023 Calculation of Lethal and Non-Lethal Take - Port Allen Harbor</b>			
		<b>Take Estimation Parameter</b>	<b>NESH</b>	<b>HAPE</b>	<b>BRSP</b>
		Birds found alive, released from SOS	<b>0</b>	<b>0</b>	<b>0</b>
		Birds found dead or euthanized at SOS	0.00	0.00	0.00
		Discovery rate	0.50	0.50	0.50
		Total annual take (found birds/disc rate)	0.00	0.00	0.00
		Lethal take (Observed+Unobserved)	0.00	0.00	0.00
		Non-lethal take	0.00	0.00	0.00

**KSHCP 2023 -- Addendum Sheet 3, Summary of Training at Port Allen Harbor**

Reporting Year

2023

Participant Name

State of Hawaii, Department of Transportation

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
9/14/2023	Seabird Awareness, Rescue and Reporting	Nawiliwili Harbor	HDOT Harbors Division Staff	6	MS-Teams Webinar	Yes. Training module and Fact Sheet, KSHCP Downed Wildlife Protocol and Incident Documentation and Reporting Form
9/12/2023	Site-Specific Orientations (emphasis on Port Allen Harbor)	Port Allen Harbor	H. T. Harvey & Associates Port Allen Harbor search and 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 search and monitoring activities at Port Allen Harbor.

**KSHCP 2023 -- Summary of Outreach Activities at Port Allen Harbor**

Reporting Year

2023

Participant Name

State of Hawaii, Department of Transportation

U.S. Fish and Wildlife Service ITP No. TE74138D-0 and Hawaii Department of Land and Natural Resources ITL No. ITL-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 HDOT Harbors Division staff at Port Allen and Nawiliwili Harbor to inquire where assistance may be needed, provide advance notice ahead of periods of higher fallout probability (new moon), heighten awareness, and revisit fundamental elements of seabird awareness, rescue, response, predator control, and reporting requirements.	Port Allen Harbor	HDOT personnel assigned to Port Allen Harbor and Nawiliwili Harbor management staff	Training modules and Fact Sheet
9/15/2023 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	HDOT staff and tenants	Seabird Awareness Fact Sheet
9/2023 and as needed throughout the season	Copies of the seabird awareness Fact Sheet were delivered to tenants (charter and sightseeing tourboat operators) during the first week of the fallout season. Multiple copies of the 2023 Seabird Light Attraction Fact Sheet were given to the tour company staff and encouraged to post in office where customers and staff could view.	Port Allen Harbor	Harbor tenants and visitors	Seabird Awareness Fact Sheet

**Seabird Light Attraction at Airports and Harbors**



**Handling and Reporting Downed Seabirds**







**Hawaiian petrel**

Nesting Colonies  
**Maui, Lanai, Kauai**  
Fledging Dates  
**September to November**



**Newell's shearwater**

Nesting Colonies  
**Kauai, Maui, Hawaii**  
Fledging Dates  
**October and November**



**Wedge-tailed shearwater**

Nesting Colonies  
**Coastal Areas State-wide**  
Fledging Dates  
**November and December**



**Band-rumped storm petrel**

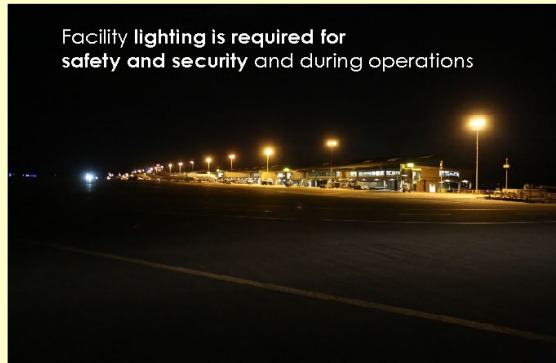
Nesting Colonies  
**Kauai, Hawai'i, Maui**  
Fledging Dates  
**October and November**

Inside nesting burrows since early summer, **fledgling 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 fledgling seabirds** which sometimes collide with structures or become grounded.

**Grounded seabirds are vulnerable** to predators such as cats and dogs as well as machinery. This 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**



**Procedures for Rescuing Downed Seabirds**

- Carefully approach the seabird from behind
- Gently wrap 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.

**Nawiliwili Harbor** – Call Harbor Security (808-278-0673) and SOS (808-635-5117)

**Port Allen Harbor** – Call Harbor Security (808-278-0673) and SOS (808-635-5117)

**Maui and Lanai**

**Kahului Airport** – Call Security Dispatch (808-872-3875 and 3876) and ask for assistance from USDA Wildlife Services

**Lanai Airport** – Call USDA Wildlife Services (808-292-8387) and Maui Nui Seabird Recovery Project (808-573-2473)

**Kahului Harbor** – Call Harbor Security (808-227-9423) and Maui Nui Seabird Recovery Project (808-573-2473)



*Photo Credits: Maui Nui Seabird Recovery Project (A); L. Young (B); A. Raine (C); Hawaii DLNR and USFWS (D,E,F); B. Yuen (G).*

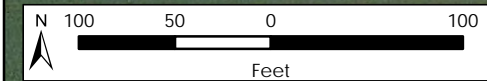
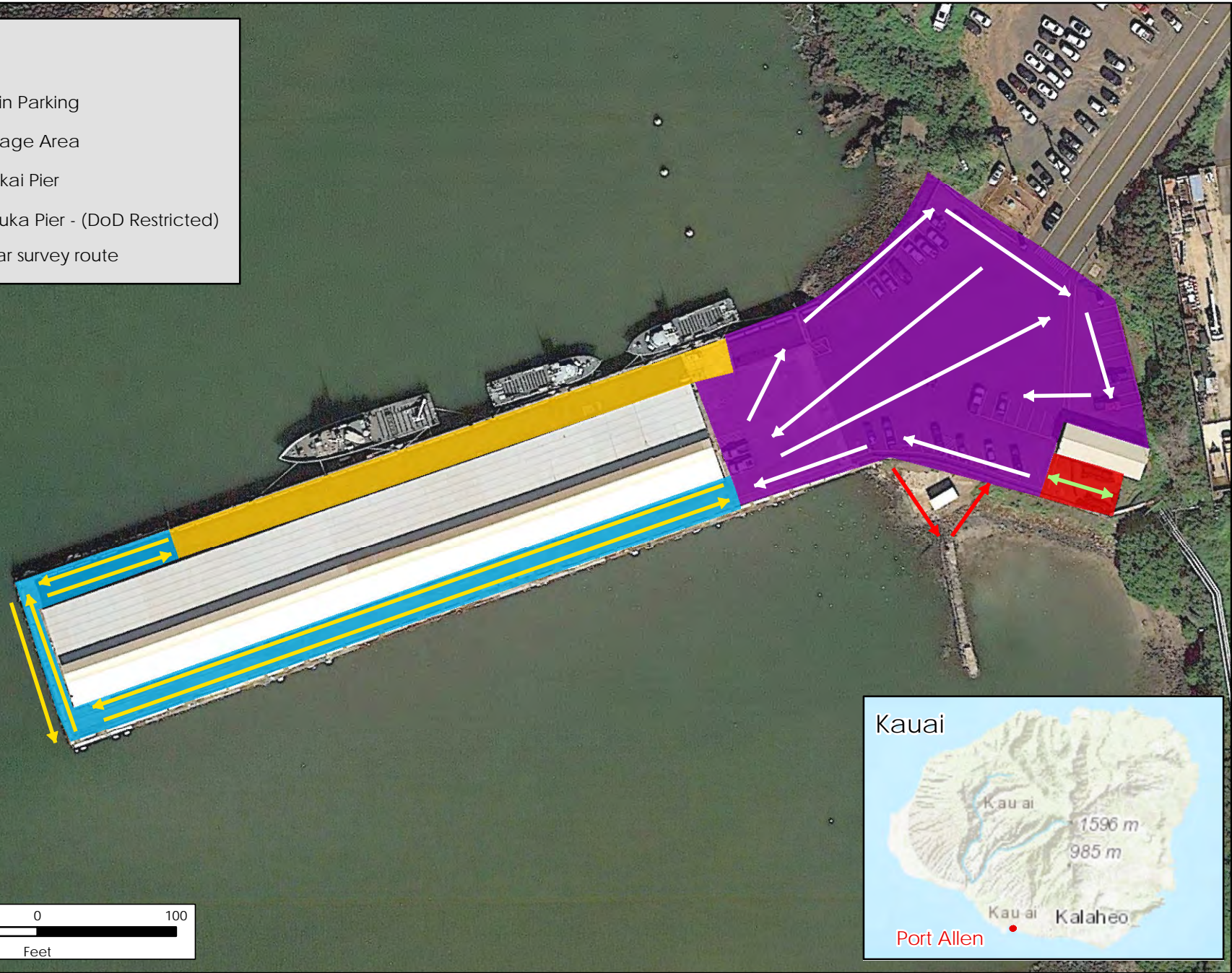
APPENDIX 1  
GENERAL SEARCH ROUTES FOLLOWED

**Port Allen Harbor**

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### Legend

- A: Main Parking
- B: Storage Area
- C: Makai Pier
- D: Mauka Pier - (DoD Restricted)
- Regular survey route



APPENDIX 2  
PHOTOS OF FACILITY LIGHTING

**Port Allen Harbor**



The main warehouse at HDOT Port Allen Harbor early in the evening while lights are still being used to facilitate safe pedestrian movement (above), and shortly after 20:30, when the main light fronting the parking area has been turned off (below).





Low light settings remain at levels seen in this image from roughly 21:00 to 05:30; the staggered lighting along the wall and the corner light are necessary to provide safe movement during hours of darkness.