

APPENDIX 1
MAP SHOWING THE GENERAL SEARCH ROUTES FOLLOWED

NAWILIWILI HARBOR

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Legend

Nawiliwili Harbor Zones

- Matson and Vehicle Storage
- Administrative and Operations Yard
- Matson
- Pier 2 - Cruise Ship Restriction Zone
- Young Brothers
- Regular survey route



H. T. HARVEY & ASSOCIATES

Ecological Consultants

Downed Seabird Search and Monitoring Routes at HDOT Nawiliwili Harbor Facilities

Kauai Seabird Habitat Conservation Plan (4065-04)

January 2022

APPENDIX 2
DOWNED WILDLIFE INCIDENT REPORTS

NAWILIWILI HARBOR

Downed Wildlife Incident Reporting Form

LISTED and MBTA SPECIES

Facility Name: **Nawiliwili Harbor, Kauai**

U.S. Fish and Wildlife Service Incidental Take Permit Number: **TE74138D-0**

Hawaii DLNR Incidental Take License Number: **ITL-30**

Species Common Name: **Newell's shearwater**

Species Scientific Name: ***Puffinus newelli***

Four Letter Code: **NESH**

File Name: **NESH_2022-10-26-HDOT-NAW**

Permit Holder:	State of Hawaii, Department of Transportation
Observer Name and Affiliation:	Mitchell Craig, H. T. Harvey & Associates
Report Prepared by:	HDOT and H. T. Harvey & Associates
Date of Incident:	October 26, 2022
Date of report:	October 28, 2022
Fatality or Injury:	Found alive and apparently well
Age (Adult/Juvenile), if known:	Presumed hatch-year juvenile
Sex (if known):	
Date Area Last Surveyed:	October 25-26, 2022
Time Observed (HST):	21:45
Time Picked Up and By Who:	21:45 (M. Craig)
General Location:	Pier 1 (Matson yard) alongside stacked container row
GPS Coordinates:	21° 57'19" N 159° 21'17" W
Closest structure and distance (light, powerline, building):	Stack of maritime cargo containers, 1.0 meter; high mast lights (security setting): 24 meters, 185°; 58 meters, 295°; 75 meters, 92°.
Ground Cover Type and Height (cm):	Pavement
Cloud Cover (%):	10
Weather Conditions (include precip. past 24 hours):	Winds 15-20 mph, some clouds, intermittent rain Security reported rain shower passed through soon before seabird was found.
Moon Phase:	New Moon, 0-0.1 Illumination
Drop off location (Which aid station or SOS):	SOS in Wailua
Photos (Y/N)	Y
File Name	NESH_2022-10-26-HDOT-NAW
SOS Reference Number	

Downed Wildlife Incident Reporting Form

LISTED and MBTA SPECIES

Condition of Specimen [describe the animal's general condition, as well as any visible injuries, be specific (e.g., large cut on right wing tip)]:

Appeared to be in healthy condition and behaved normally while being handled.

Probable Cause of Injuries and Supportive Evidence [be descriptive (e.g., 'probable light source', 'teeth marks visible on upper back', 'found adjacent to tire marks in mud')]:

No signs of injury were noted and the bird was easily placed inside the rescue carrier for transport.

Action Taken [include names, dates, and times, whether sent for necropsy]:

The shearwater was transported directly to the SOS Aid Station at the SOS Wailua facility.

Additional Notes/Comments:

None. The handling of the incident went smoothly with no issues requiring immediate attention.

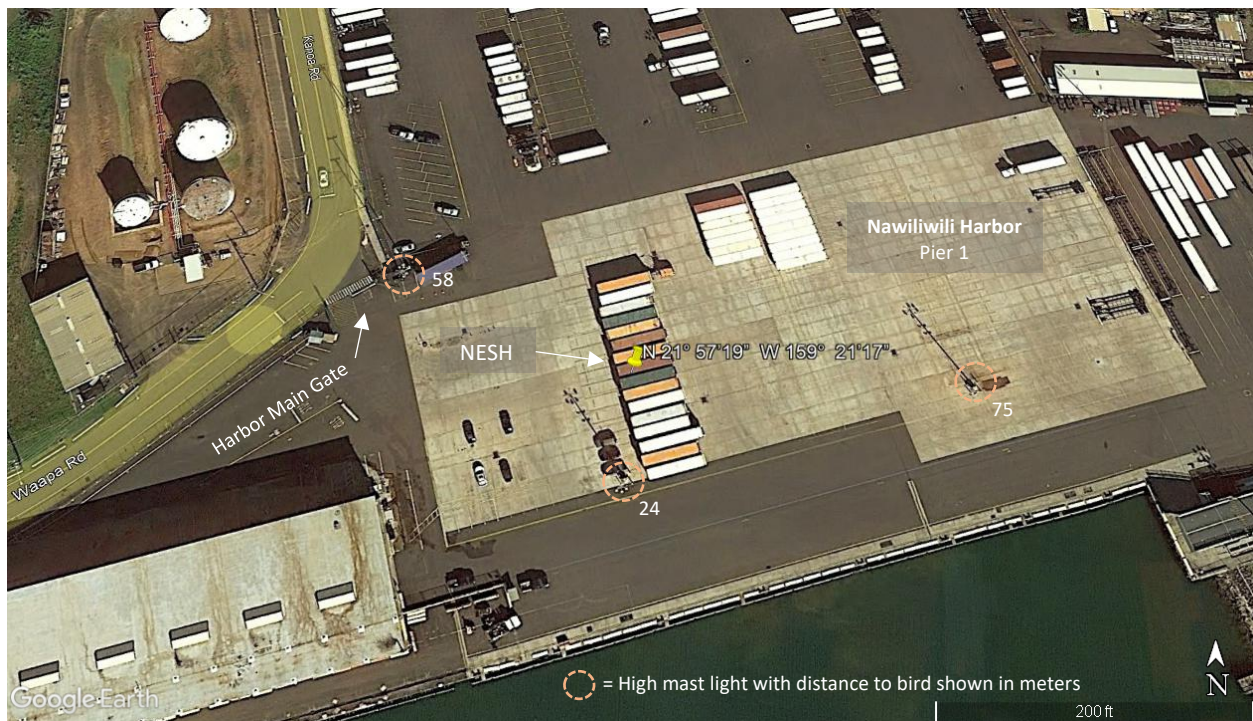
Include the following:

- Photos showing the downed bird: a) up close; b) with its immediate surrounding; and c) nearest structures in the background. Include a ruler or measuring device to provide scale
- Map showing aerial imagery with location of found animal, search area polygon, nearby features, roads, and structures labeled where applicable.

Refer to: Protocol for Holders of a State of Hawai'i Incidental Take License and U.S. Fish and Wildlife Service Incidental Take Permit Responding to Dead or Injured Birds under the Kaua'i Seabird Habitat Conservation Plan.

Downed Wildlife Incident Reporting Form

LISTED and MBTA SPECIES



The top image provides an overview of features present in the vicinity of a grounded Newell's shearwater discovered at Nawiliwili Harbor, Kauai on October 26, 2022. In the image below the shearwater can be seen in a resting position next to a row of shipping containers.



APPENDIX 3

PHOTOS OF LIGHT CONDITIONS AT COVERED FACILITIES

NAWILIWILI HARBOR

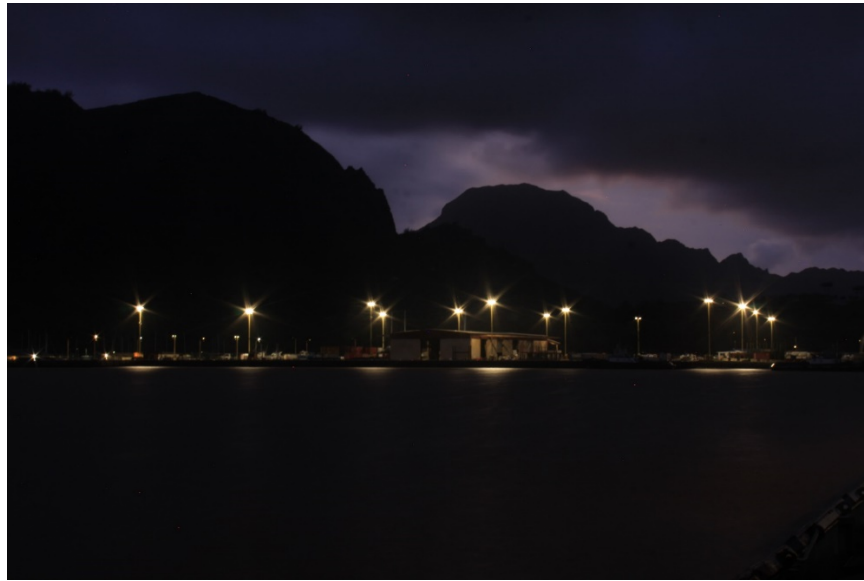


Photo 1. Pier 3 (Young Brothers) yard seen shortly after sunset with majority of high mast lights in operational setting following the departure of tug and barge. These lights are programmed to initiate a dimming sequence down to security level (15% capacity) over the course of about 20 minutes after operations conclude.



Photo 2. High mast light at Pier 1 (Matson yard) operating in a security setting – no operations, full minimization level.



Photo 3. High mast light in security setting on Pier 1 next to the Superferry ramp at Nawiliwili Harbor, Kauai.



Photo 4. High mast light fully illuminated in operational setting on Pier 1, Nawiliwili Harbor.



Photo 5. Fully operational lighting conditions at Pier 3 (Young Brothers yard) during liquid bulk cargo operations at Nawiliwili Harbor.



Photo 6. Lighting conditions at Pier 3 (Young Brothers yard) during non-operational security conditions when all high mast lights are reduced to 15% illumination level.