

State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Division of Boating and Ocean Recreation  
Honolulu, Hawaii 96819

October 11, 2019

Chairperson and Members  
Board of Land and Natural Resources  
State of Hawaii  
Honolulu, Hawaii

Land Board Members:

SUBJECT: APPROVE INSTALLATION OF TWO MOORINGS OUTSIDE OF AN  
ESTABLISHED OFFSHORE MOORING AREA AFTER-THE-FACT,  
REED'S BAY, HILO, ISLAND OF HAWAII, HAWAII, FOR THOMAS  
WOLFF

AND

DECLARE TWO EXISTING OFFSHORE MOORINGS EXEMPT FROM  
REQUIREMENTS OF CHAPTER 343, HAWAII REVISED STATUTES,  
AND TITLE 11, CHAPTER 200.1, HAWAII ADMINISTRATIVE  
RULES

REQUEST:

The Division of Boating and Ocean Recreation ("DOBOR") is requesting that the Board of Land and Natural Resources ("Board") declare two (2) existing offshore moorings exempt from the requirements of Chapter 343, Hawaii Revised Statutes, and Title 11, Chapter 200.1, Hawaii Administrative Rules, to prepare an Environmental Assessment ("EA"), due to the use of submerged State land.

DOBOR is also requesting that the Board approve the installation of the existing offshore moorings within Reed's Bay in Hilo on the Island of Hawaii. As required by HAR 13-235-9, any applicant requesting to moor a vessel outside of an established offshore mooring area must obtain approval from the Board.

Reed's Bay is a designated offshore mooring area identified in the "Documentation of Facilities for the Boating Program Transfer to the Department of Land and Natural Resources," when the Boating Program was transferred from the Department of Transportation to DLNR. However, Reed's Bay was never established as an offshore mooring area in HAR 13-235. Therefore, as required by HAR 13-235-9, the installation of all moorings within Reed's Bay must obtain approval from Board.

The applicant, Mr. Thomas Wolff (“Applicant”), uses two (2) existing offshore moorings in Reed’s Bay in Hilo on the Island of Hawaii that have been in place for several years. He is requesting that the Board declare the installation of his privately owned and maintained moorings exempt from the requirement to prepare an EA, as required by Chapter 343, HRS, and Chapter 11-200.1, HAR due to the use of submerged State land. In addition, the Applicant is requesting that the Board approve installation of the moorings outside of an established offshore mooring zone, as required by HAR 13-235-9. The Applicant’s request is attached as **Exhibit A**.

#### PERMITS AND COMPLIANCE WITH STATE AND FEDERAL LAW:

In order to comply with Federal Law (Section 10 of the Rivers and Harbors act of 1899), DOBOR is requiring that all offshore moorings under their jurisdiction obtain a permit from the U.S. Army Corps of Engineers (“ACOE”). In addition, to ensure that the mooring system is structurally sound, DOBOR is requiring that all offshore mooring permittees submit an Offshore Mooring Installation Plan, prepared by a licensed structural engineer, for approval.

The Applicant has obtained Nationwide Permit Verification Letters from the ACOE authorizing the installation and use of the existing moorings. A Mooring Installation Plan for each mooring, prepared by a licensed structural engineer, has also been submitted to and approved by DOBOR Engineering Branch. The ACOE Permit and approved Mooring Installation Plan for each mooring are also attached with **Exhibit A**.

In accordance with HAR 13-235-6, the National Marine Fisheries Service (NMFS) and DLNR, Division of Aquatic Resources (DAR) must determine whether an offshore mooring is detrimental to the habitat or spawning ground of marine life. Through the ACOE permitting process, NMFS has been consulted and determined the offshore moorings have no detrimental effect to the habitat or spawning ground of marine life. DAR has also been consulted and concurred that the offshore moorings have no detrimental effect to the habitat or spawning ground of marine life.

#### ENVIRONMENTAL ASSESSMENT EXEMPTION:

In accordance with Hawaii Administrative Rule (HAR) Section 11-200.1-8(A) and the Exemption List for the Department of Land and Natural Resources (DLNR), approved by the Environmental Council, on June 5, 2015, it has been determined that the installation of the existing moorings is exempt from the preparation of an EA pursuant to the following exemptions:

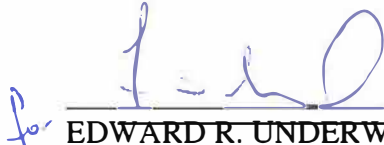
Item No. 13 of Exemption Class 6: “Placement or construction of accessory structures such as utility sheds, storage or maintenance sheds, office trailers, trash enclosures, comfort stations or sanitation facilities and related individual wastewater disposal systems, bus shelters, pavilions or picnic shelters, parking and fee collection facilities, checking stations, interpretive kiosks and displays, dock boxes, mooring cleats, bumpers, and mooring buoys, blocks, and piles, and other similar structures accessory to existing facilities on state land and waters.”

Consultations with the State of Hawaii, Office of Planning, Coastal Zone Management Program and State of Hawaii, DLNR, Office of Conservation and Coastal Lands for this EA Exemption have been conducted as required by HAR 11-200.1-8.


RECOMMENDATION:

Declare that, after considering the potential effects of the two (2) installed moorings as provided by Chapter 343, HRS, and Chapter 11-200.1, HAR, this project will probably have minimal or no significant effect on the environment and is therefore exempt from the preparation of an environmental assessment and approve the installation of the existing offshore moorings within Reed's Bay, Hilo, Island of Hawaii, located outside of an established offshore mooring area, after-the-fact.

Respectfully Submitted,

  
for EDWARD R. UNDERWOOD, Administrator  
Division of Boating & Ocean Recreation

APPROVED FOR SUBMITTAL:

  
SUZANNE D. CASE, Chairperson  
Board of Land and Natural Resources

Attachment:

- A. Applicant's request for approval of moorings, approved Mooring Installation Plans, Nationwide Permit Verification Letters from Army Corps of Engineers



**EXEMPTION NOTIFICATION**

Regarding the preparation of an environmental assessment pursuant to Chapter 343, HRS and Chapter 11-200.1, HAR

Project Title:	Offshore Moorings within Reed's Bay, Hilo, Island of Hawaii, for Mr. Thomas Wolff
Project / Reference No.:	N/A
Project Location:	Hilo, Island of Maui
Project Description:	Installation of two (2) offshore moorings for privately-owned vessels
Chap. 343 Trigger(s):	Use of State (submerged) lands
Exemption Class No(s).:	Class No. 6, Item 13: "Placement or construction of accessory structures such as utility sheds, storage or maintenance sheds, office trailers, trash enclosures, comfort stations or sanitation facilities and related individual wastewater disposal systems, bus shelters, pavilions or picnic shelters, parking and fee collection facilities, checking stations, interpretive kiosks and displays, dock boxes, mooring cleats, bumpers, and mooring buoys, blocks, and piles, and other similar structures accessory to existing facilities on state land and waters."
Cumulative Impact of Planned Successive Actions in Same Place Significant?	No. There are no planned successive actions to be undertaken at the same location.
Action May have Significant Impact on Particularly Sensitive Environment?	No. The environment in the existing offshore mooring is silty bottom with no coral reefs or marine features that are critical for aquatic species habitat or spawning areas.
Analysis:	The materials installed for the offshore mooring are chemically inert and do not pose a threat to essential marine habitat or endangered species and do not pose any hazard or obstruction to existing uses of the ocean in the area.
Consulted Parties:	<ul style="list-style-type: none"> <li>- State Office of Planning, Coastal Zone Management</li> <li>- State DLNR, Office of Conservation and Coastal Lands</li> </ul>
Declaration	The Board finds that this project will probably have minimal or no significant effect on the environment and declares that this project is exempt from the preparation of an environmental assessment.



EXHIBIT A

THOMAS WOLFF  
HC1 BOX 4143  
KEAAU, HI 96749

MAY 15, 2019

Request for Exemption from Requirement for Preparation of Environmental Assessment for Installation of an Existing Offshore Mooring, in Reeds Bay Offshore Mooring area, Hilo, on the Island of Hawaii.

Submitted in compliance with Hawaii Revised Statue Chapter 343 and HAR Sections 11-200-8; 11-200(b)

Submitted to:

Board of Land & Natural Resources State of Hawaii, Department of Land & Natural Resources (DLNR) Division of Boating and Ocean Recreation, 4 Sand Island Access Road, Honolulu. HI 96819  
Email: finn.d.mccall@hawaii.gov phone:(808) 587-3520

Submitted by:

Thomas Wolff Email: tomawolff9@gmail.com

Request:

Thomas Wolff (hereinafter referred to as "Petitioner") requests approval for an existing offshore mooring (that does not require modification) in the reeds bay mooring area and exemption from requirement for environmental assessment report associated with the mooring installation; as the mooring will have little or no environmental impact, as discussed herein below:

Reasoning and Justification for request.

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Environmental Assessment Exemption.

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1) The reason for the Environmental Assessment is due to the use of State submerged Lands.

2) Petitioner requests exemption from requirement for environmental assessment report associated with the proposed (existing) mooring installation, as the proposed installation will have little or no impact on the environment in the proposed location.

3) The current exemption list for the Department of Land and Natural Resources dated June 5, 2015 provides as follows under Exemption Class 6:

“13. Placement or construction of accessory structures such as... mooring, cleats, bumpers, and mooring buoys, blocks and piles, and other similar structures accessory to existing facilities on state land and waters.”

Project Description-

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Installation (existing) of a private offshore mooring in Reeds Bay Hilo, Hawaii, Offshore Mooring Area.



## Technical Description of Proposed Installation-

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The after-the-fact installation of an existing single point mooring buoy for a single personal recreational vessel deployed in approximately 12-foot deep water over flat lava rock covered in two to three feet of silt ocean substrate, approximately 200 yards from the shoreline in Reeds Bay in Hilo Island of Hawaii. The existing mooring anchoring system is comprised of one 8 cylinder block, one 6 cylinder block, one 1,500-pound concrete block weight, and a 55-gallon drum filled with concrete rebar with a 1" metal ring on top, all chained together in a 6-foot radius. A 3/4" shackle attaches a 16-foot long section of 3/4" long link chain, passing through an 18" diameter mid-line float and a 24-inch diameter top buoy 3/4" shackle to 3/4" swivel on top, 2) 3/4" nylon rope hawsers with floats to vessel. ACOE (NWP)#10 POH-2017-00127 PERMIT. RBM 1

## LOCATION OF PROPOSED MOORING

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19.72676N,-155.060883W

REEDS BAY HILO HAWAII

## Purpose of proposed installation-

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The proposed (existing) mooring will be used by the petitioner solely for a single recreational vessel.

## Impact on Coastal Ecosystems

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NEGLIGIBLE The proposed site is not within the special Management area or shoreline setback area, nor is the site within a state conservation district. This site does not provide habitat for any known endangered species of plants, birds, or mammals. The site is not within, and does not border any national area reserve, marine conservation district, or estuary. The site is not on or close to any reef or coral colonies. No material will be placed or discharged in the project area. No dredge or fill activities will be involved in the installation of the mooring. The mooring will be placed within an existing designated DLNR "Offshore" mooring area.

Impact on marine resources

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NONE The proposed (existing) mooring does not involve or affect the use or development of any marine or coastal resources.

Impact on Historic resources

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NONE The project site is not within a designated historic or cultural district and has not been listed or nominated for the hawaii or national register of historic places. The proposed project site contains no known historic or archaeological resources and is not within or adjacent to any hawaiian fishpond or historic settlement area.

Impact on scenic an open space rescources.

=====

NEGLIGIBLE A vessel will be located at the proposed mooring location and will be visible. The mooring ball will be visible floating on the surface of the water

respectfully submitted by:

Thomas Wolff  
808-937-5059



**DEPARTMENT OF THE ARMY**  
HONOLULU DISTRICT, U.S. ARMY CORPS OF ENGINEERS  
FORT SHAFTER, HAWAII 96858-5440

September 27, 2017

SUBJECT: Nationwide Permit Verification for Wolff Reeds Bay Mooring 1, Hilo Bay, Hilo, Hawaii, DA File No. POH-2017-00127

Thomas Wolff  
HC1 Box 4143  
Keaau, HI 96749

Dear Mr. Wolff:

The Honolulu District, U.S. Army Corps of Engineers (Corps), Regulatory Branch has completed review of your Pre-Construction Notification dated June 21, 2017 requesting authorization for the after-the-fact installation of a mooring buoy for personal recreational use in Reeds Bay, Hilo, Island of Hawaii, Hawaii. Please reference Department of the Army (DA) file number POH-2017-00127 in any future correspondence related to this permit.

This letter verifies your activity complies with the terms and conditions of Nationwide Permit (NWP) #10, (Mooring Buoys) issued on March 19, 2017 (82 FR 1860, January 6, 2017). This NWP verification letter is being issued pursuant to Section 10 of the Rivers and Harbors Act of 1899 for work or structures in, over, under or affecting navigable waters of the U.S. You are authorized to conduct the following work as described below and as depicted on the enclosed drawings (Enclosure 1):

The after-the-fact installation of an existing single point mooring buoy for a single personal recreational vessel deployed in approximately 8-foot deep water over flat lava rock covered in two to three feet of silt ocean substrate, approximately 2000 yards from the shoreline in Reeds Bay in Hilo, Island of Hawaii at 19.72676N, - 155.060883W. The existing mooring anchoring system is comprised of one 8-cycle engine block, one 6-cycle engine block, one 1,500-pound concrete block weight, and a 55-gallon drum filled with concrete rebar with a 1-inch rebar ring on top, all chained together in a 6-foot radius and attached to the rest of the mooring structure with a  $\frac{3}{4}$ -inch shackle. The rest of the mooring structure consists of a 16-foot long section of  $\frac{3}{4}$ -inch long link chain, passing through an 18-inch diameter mid-line float and a 24-inch diameter top buoy, connected to the top buoy with three  $\frac{3}{4}$ -inch -shackles and one 1-inch swivel. The top buoy is connected a  $2\frac{3}{4}$ -inch three strand rope hawser with an eye splice and covered in pool floats.

In order for this NWP authorization to be valid, you must ensure that the work is performed in accordance with the *Nationwide Permit General Conditions* and the *Honolulu District Regional Conditions* (Enclosure 2) and the following special condition:

Incidents where any individuals of Green Sea Turtle (*Chelonia mydas*), Hawksbill Turtle (*Eretmochelys imbricata*), Loggerhead Sea Turtle (*Caretta caretta*), Hawaiian Monk Seal, (*Monachus schauinslandi*) listed by NOAA Fisheries under the Endangered Species Act appear to be injured or killed as a result of discharges of dredged or fill material into waters of the U.S. or structures or work in navigable waters of the U.S. authorized by this NWP shall be reported to NOAA Fisheries, Office of Protected Resources at (301) 713-1401 and the Regulatory Branch of the Honolulu District, U.S. Army Corps of Engineers at (808) 835-4303. The finder should leave the animal alone, make note of any circumstances likely causing the death or injury, note the location and number of individuals involved and, if possible take photographs. Adult animals should not be disturbed unless circumstances arise where they are obviously injured or killed discharge exposure or some unnatural cause. The finder may be asked to carry out instructions provided by NOAA Fisheries, Office of Protected Resources, to collect specimens or take other measurements to ensure that evidence intrinsic to the specimen is preserved.

Verification of your project under this NWP is valid until **March 19, 2022** unless this NWP is modified, reissued, or revoked prior to that date. It is incumbent upon you to remain informed of changes to the NWPs. If the Corps modifies, reissues, or revokes any NWP at an earlier date, we will issue a public notice announcing the changes. Failure to comply with all terms and conditions of this NWP verification invalidates this authorization and could result in a violation of the Rivers and Harbors Act and subsequent enforcement action. This authorization does not relieve you of the responsibility to obtain any other federal, state, and/or local authorizations required by law.

Thank you for your cooperation with the Honolulu District Regulatory Program. Should you have any questions related to this provisional permit, please contact me at 808-835-4310 or via e-mail at [Vera.B.Koskelo@usace.army.mil](mailto:Vera.B.Koskelo@usace.army.mil). You are encouraged to provide comments on your experience with the Honolulu District Regulatory Office by accessing our web-based customer survey form at [http://corpsmapu.usace.army.mil/cm\\_apex/f?p=136:4:0](http://corpsmapu.usace.army.mil/cm_apex/f?p=136:4:0).

Sincerely,



Digitally signed by KOSKELO.VERA.B.1370139110  
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,  
ou=USA, cn=KOSKELO.VERA.B.1370139110  
Date: 2017.09.27 14:53:05 -10'00'

Vera B. Koskelo  
Regulatory Specialist, Regulatory Branch

Enclosures

cc: State of Hawaii Department of Health, Clean Water Branch (DOH-CWB)  
State of Hawaii DBEDT Office of Planning (John Nakagawa)  
USCG (John Bannon, Jason Olney)  
SEA Engineering (Chris Conger)



KULOA WEIGHTS #3 1, 2, 3 & 4  
ARE BUNDLED TOGETHER  
IN A 6' RADIUS  
AT N 19° 43.606'  
W 155° 03.653'

ALL SHACKLES & SWIVELS ARE AMERICAN MADE & SIZED  
W/ S.S. WIRE

POOL FLOATS AROUND  
ROPE

CHAFE GEAR  
OVER ROPES

3/4" SWIVEL

3/4" SHACKLE

3/4" LINK CHAIN x 36"

THRU BUOY

3/4" SHACKLE

1" SWIVEL

3/4" SHACKLE

3/4" x 13' LONG

LINK CHAIN

APPROX 1500 LB

COUNTER WT FROM

6 CYL ENGINE BLOCK

8 CYL ENGINE BLOCK

WTS ARE CHAINED W/

TOGETHER WITHIN 6' RADIUS

WT 1

WT 2

WT 3

WT 4

ANCHOR #1 - 55 GAL DRUM FILLED W/  
CONCRETE & REBAR. EXTRA REBAR TO  
INCREASE WEIGHT. 1" SS BAR  
BENT INTO U. REBAR WELDED AT ENDS  
& SET INTO CONCRETE 12".

38'8" LOA

32'6" LWL

DISPLACEMENT 19,200 LBS

BALLAST 185  
8,400 LBS

NOTE: CHAIN & UNDER-  
WATER FLOAT PAINTED W/  
BLUE ANTI-FOULING PAINT

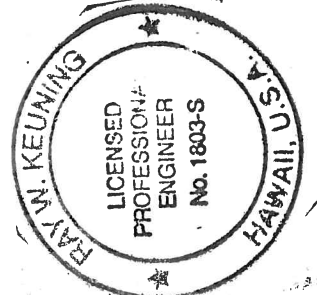
DEPTH  
8'-15'  
(NOMINAL)

12" UNDER WATER-  
FLOAT  
6' w/ CHAIN THRU  
FLOAT

SILT LAYER 2'-3' THICK

FLAT ROCK BOTTOM

ALL WTS ARE PARTIALLY  
OR COMPLETELY BURIED IN  
SILT LAYER



THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION.  
CONSTRUCTION OF THIS PROJECT  
WILL BE UNDER MY OBSERVATION.

Signature

Department of Land and Natural Resources  
Division of Boating and Ocean Recreation  
PLAN REVIEW:

☒ Approved  
☐ Rejected

☐ Approved, as noted  
☐ Revise & Resubmit

By: 4-14P Date: 2/28/17

Corrections, comments or approval of plans shall not relieve the contractor from other local, state, federal or other agency regulations or permit conditions. This review is for general conformance with engineering design guidelines. The contractor is responsible for confirming all dimensions, quantities, fabrication requirements, and coordination with all other trades.

SITE PLAN FOR: THOMAS R WOLFF, BOAT NAME KULOA # 653057  
REEDS BAY, HILO, HAWAII

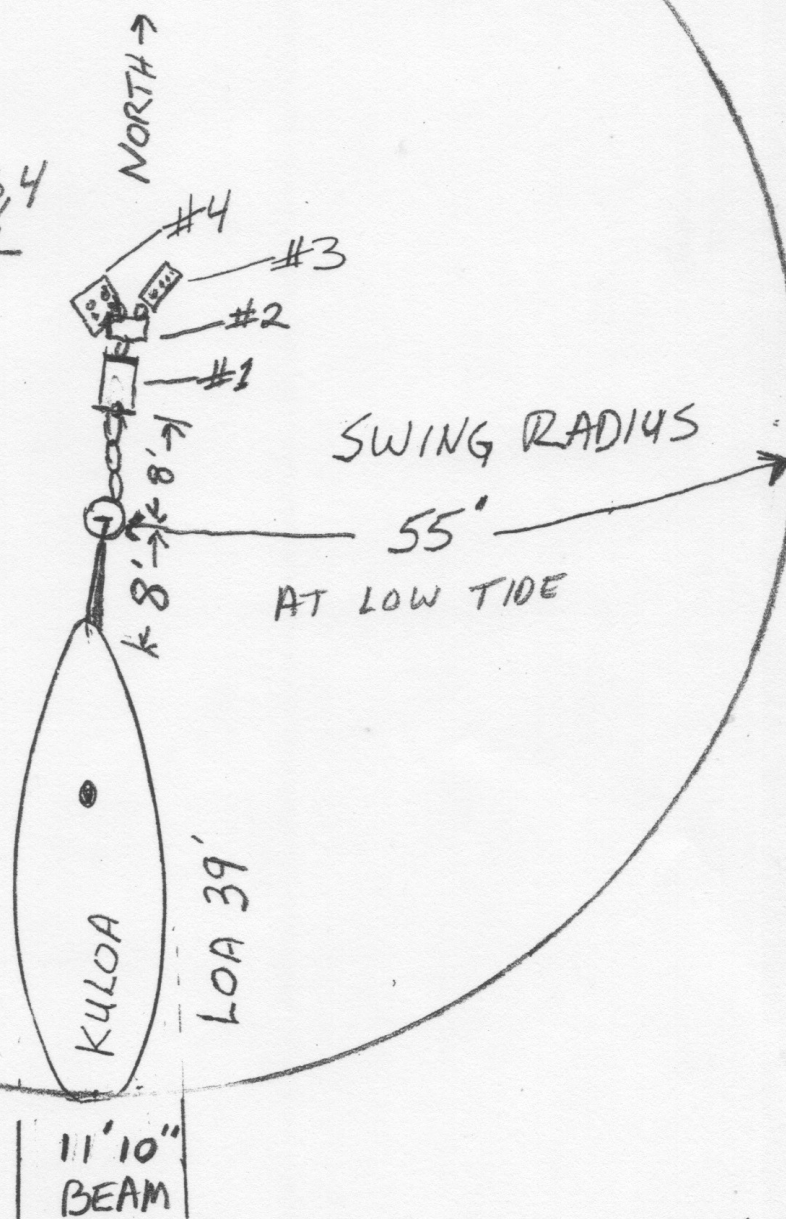


THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION.  
CONSTRUCTION OF THIS PROJECT  
WILL BE UNDER MY OBSERVATION.

*Ray W. Keuning*  
Signature

KULOA WEIGHTS #1, 2, 3, 4  
ARE BUNCHED TOGETHER  
IN A 6' RADIUS  
AT

N  $19^{\circ}43.606'$   
W  $155^{\circ}03.653'$



MAXIMUM LENGTH OF CHAIN INCLUDING SHACKLES & SWIVELS = 16'  
MAXIMUM SWING RADIUS CALCULATED AT MEAN LOW TIDE = 55' - 8' = 47'  
8' IS THE DIFFERENCE BETWEEN CHAIN LENGTH AND  
WATER LEVEL AT MEAN LOW TIDE.

SCALE  $\frac{1}{16}" = 1'$



THOMAS WOLFF  
HC1 BOX 4143  
KEAAU, HI 96749

MAY 15, 2019

Request for Exemption from Requirement for Preparation of Environmental Assessment for Installation of an Existing Offshore Mooring, in Reeds Bay Offshore Mooring area, Hilo, on the Island of Hawaii.

Submitted in compliance with Hawaii Revised Statue Chapter 343 and HAR Sections 11-200-8; 11-200(b)

Submitted to:

Board of Land & Natural Resources State of Hawaii, Department of Land & Natural Resources (DLNR) Division of Boating and Ocean Recreation, 4 Sand Island Access Road, Honolulu. HI 96819  
Email: finn.d.mccall@hawaii.gov phone:(808) 587-3520

Submitted by:

Thomas Wolff Email: tomawolff9@gmail.com

Request:

Thomas Wolff (hereinafter referred to as "Petitioner") requests approval for an existing offshore mooring (that does not require modification) in the reeds bay mooring area and exemption from requirement for environmental assessment report associated with the mooring installation; as the mooring will have little or no environmental impact, as discussed herein below:

Reasoning and Justification for request.

=====

Environmental Assessment Exemption.

=====

1) The reason for the Environmental Assessment is due to the use of State submerged Lands.



2) Petitioner requests exemption from requirement for environmental assessment report associated with the proposed (existing) mooring installation, as the proposed installation will have little or no impact on the environment in the proposed location.

3) The current exemption list for the Department of Land and Natural Resources dated June 5, 2015 provides as follows under Exemption Class 6:

“13. Placement or construction of accessory structures such as... mooring, cleats, bumpers, and mooring buoys, blocks and piles, and other similar structures accessory to existing facilities on state land and waters.”

Project Description-

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Installation (existing) of a private offshore mooring in Reeds Bay Hilo, Hawaii, Offshore Mooring Area.

## Technical Description of Proposed Installation-

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the after -the-fact verification of an existing mooring for a 39 foot long vessel with a swing radius of 59 feet. The mooring consists of three 55 gallon cement and rebar filled drums with a one inch loop set in one end, weighing approximately 1300 pounds each and chained together. A 3/4" shackle attaches a 16-foot long section of 5/8" long link chain, passing through an 12" diameter mid-line float and a 24-inch diameter top buoy 3/4" shackle to 5/8" swivel on top, 2)3/4-inch nylon rope hawsers with floats to vessel. mooring is approximately 300 yards out from reeds bay beach shoreline hilo hawaii. (NWP) #10 POH=2017-00128 PERMIT RBM 2

## LOCATION OF PROPOSED MOORING

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19.43661N,-155.03628W  
REEDS BAY HILO HAWAII

## Purpose of proposed installation-

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The proposed (existing) mooring will be used by the petitioner solely for a single recreational vessel.

## Impact on Coastal Ecosystems

=====

NEGLIGIBLE The proposed site is not within the special Management area or shoreline setback area, nor is the site within a state conservation district. This site does not provide habitat for any known endangered species of plants, birds, or mammals. the site is not within, and does not border any national area reserve, marine conservation district, or estuary. the site is not on or close to any reef or coral colonies. no material will be placed or discharged in the project area. no dredge or fill activities will be involved in the installation of the mooring. The mooring will be placed within an existing designated DLNR "Offshore" mooring area

Impact on marine resources

=====

NONE The proposed (existing) mooring does not involve or affect the use or development of any marine or coastal resources.

Impact on Historic resources

=====

NONE The project site is not within a designated historic or cultural district and has not been listed or nominated for the hawaii or national register of historic places. The proposed project site contains no known historic or archaeological resources and is not within or adjacent to any hawaiian fishpond or historic settlement area.

Impact on scenic an open space rescources.

=====

NEGLIGIBLE A vessel will be located at the proposed mooring location and will be visible. The mooring ball will be visible floating on the surface of the water

respectfully submitted by:

Thomas Wolff  
808-937-5059



**DEPARTMENT OF THE ARMY**  
**U.S. ARMY CORPS OF ENGINEERS, HONOLULU DISTRICT**  
**FORT SHAFTER, HAWAII 96858-5440**

May 13, 2019

SUBJECT: Nationwide Permit Verification for Wolff Reeds Bay Mooring 2, Hilo Bay, Hilo, Hawaii, Department of the Army File No. POH-2017-00128

Mr. Thomas Wolff  
HC1 Box 4143  
Keaau, HI 96749

Dear Mr. Wolff:

The Honolulu District, U.S. Army Corps of Engineers (Corps), Regulatory Branch has completed review of your Pre-Construction Notification dated June 21, 2017 requesting after-the-fact authorization for the mooring for Wolff Reeds Bay Mooring 2 located within the Pacific Ocean at 19.7276, -155.0604, Hilo Bay, Hilo, Hawaii. Please reference Department of the Army (DA) file number POH-2017-00128 in any future correspondence related to this permit

This letter verifies your activity complies with the terms and conditions of Nationwide Permit (NWP) #10, (Mooring Buoys) issued on March 19, 2017 (82 FR 1860, January 6, 2017). This NWP verification letter is being issued pursuant to Section 10 of the Rivers and Harbors Act of 1899 for work or structures in or affecting navigable waters of the U.S. You are authorized to conduct the following work as described below and as depicted on the enclosed drawings (Enclosure 1):

- The after-the-fact verification of an existing mooring for a 39-foot-long vessel with a swing radius of 59 feet. The mooring consists of three 23-inch-wide by 23-inch-long by 36-inch-deep anchor weights, weighing approximately 1300 pounds each and chained together. The surface buoy is connected to the weights via a 5/8-inch-diameter by 12-foot-long chain connect with 3/4-inch shackles and having an underwater float to keep the chain off of the seafloor. Two, 3/4-inch 3 strand nylon pendants with floats are attached to the surface buoy for vessel connection.

In order for this NWP authorization to be valid, you must ensure that the work is performed in accordance with the *Nationwide Permit General Conditions*, the *Honolulu District Regional Conditions* (Enclosure 2), and the following project-specific Special Conditions:

- Incidents where any individuals of Green Sea Turtle (*Chelonia mydas*), Hawksbill Turtle (*Eretmochelys imbricata*), Loggerhead Sea Turtle (*Caretta caretta*), Hawaiian Monk Seal, (*Monachus schauinslandi*) listed by NOAA Fisheries under the Endangered Species Act appear to be injured or killed as a result of discharges of dredged or fill material into waters of the U.S. or structures or work in navigable waters of the U.S.

authorized by this NWP shall be reported to NOAA Fisheries, Office of Protected Resources at (301) 713-1401 and the Regulatory Branch of the Honolulu District, U.S. Army Corps of Engineers at (808) 835-4303. The finder should leave the animal alone, make note of any circumstances likely causing the death or injury, note the location and number of individuals involved and, if possible take photographs. Adult animals should not be disturbed unless circumstances arise where they are obviously injured or killed discharge exposure or some unnatural cause. The finder may be asked to carry out instructions provided by NOAA Fisheries, Office of Protected Resources, to collect specimens or take other measurements to ensure that evidence intrinsic to the specimen is preserved.

Verification of your project under this NWP is valid until **March 19, 2022** unless this NWP is modified, reissued, or revoked prior to that date. It is incumbent upon you to remain informed of changes to the NWPs. If the Corps modifies, reissues, or revokes any NWP at an earlier date, we will issue a public notice announcing the changes. Failure to comply with all terms and conditions of this NWP verification invalidates this authorization and could result in a violation of the Rivers and Harbors Act and subsequent enforcement action. This authorization does not relieve you of the responsibility to obtain any other federal, state, and/or local authorizations required by law.

Thank you for your cooperation with the Honolulu District Regulatory Program. Should you have any questions related to this authorization, please contact Mr. Albert Williams at (808) 835-4056 or by email at [albert.p.williams@usace.army.mil](mailto:albert.p.williams@usace.army.mil). You are encouraged to provide comments on your experience with the Honolulu District Regulatory Branch by accessing our web-based customer survey form at [http://corpsmapu.usace.army.mil/cm\\_apex/f?p=136:4:0](http://corpsmapu.usace.army.mil/cm_apex/f?p=136:4:0).

Sincerely,

KOSKELO.VERA  
.B.1370139110

Digitally signed by  
KOSKELO.VERA.B.1370139110  
Date: 2019.05.13 13:10:37  
-10'00'

Vera Koskelo  
Project Manager, Regulatory Branch

Enclosures

cc:

U.S. Coast Guard, [SecHonoWaterWays@uscg.mil](mailto:SecHonoWaterWays@uscg.mil)

Mr. Daryl Lum, State of Hawaii Department of Health, Clean Water Branch

Mr. John Nakagawa, State of Hawaii Office of Planning, Coastal Zone Management Program

FLUIN HAWAIIAN  
TRUMARAN

38'6" LOA  
36' LUL

WEIGHT #1 = N 19° 43.661'  
W 155° 03.628'  
WEIGHT #2 = N 19° 43.663'  
W 155° 03.627'

WEIGHT #3 =  
N 19° 43.663'  
W 155° 03.627'

EYES

BRIDLE SPICED  
20" SWIVEL

ALL SHACKLES & SWIVELS  
ARE AMERICAN MADE &  
SIEZED W/ SS WIRE

GROSS TONNAGE 96 RT  
NET TONNAGE 96 RT

5/8" DOUBLE LINK BOVEY

DEPTH IS  
8' TO 15'  
(NOMINAL)

BUOY  
24"

3/4" SHACKLE

1" SWIVEL

5/8" DOUBLE LINK CHAIN 12'

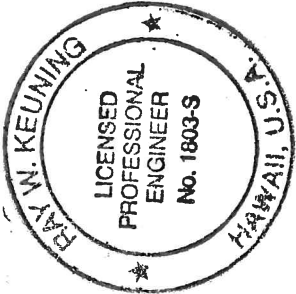
5/8" DOUBLE LINK CHAIN

12" X 24"  
UNDER WATER FLOAT  
FLUTATION FOAM  
FILLED CHAIN TRU  
BUOY

SILT LAYER 2'-3' THICK

FLAT ROCK BOTTOM

SS GAL DRUMS COMBUT & REBAR FILLO  
CHANGED TOGETHER



THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION.  
CONSTRUCTION OF THIS PROJECT  
WILL BE UNDER MY OBSERVATION.

Ray N. Keuning  
Signature

Department of Land and Natural Resources  
Division of Boating and Ocean Recreation  
PLAN REVIEW:

- ☒ Approved  
☐ Rejected
- ☐ Approved, as noted  
☐ Revise & Resubmit

By: 4-14 Date: 2/28/17

Corrections, comments or approval of plans shall not relieve the contractor from other local, state, federal or other agency regulations or permit conditions. This review is for general conformance with engineering design guidelines. The contractor is responsible for confirming all dimensions, quantities, fabrication requirements, and coordination with all other trades.

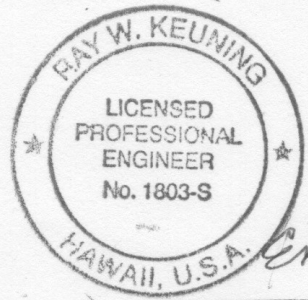


SITE PLAN FOR: THOMAS R. WOLFF, BOAT NAME  
FLYIN HAWAIIAN #585313 REEDS BAY, HILO, HAWAII

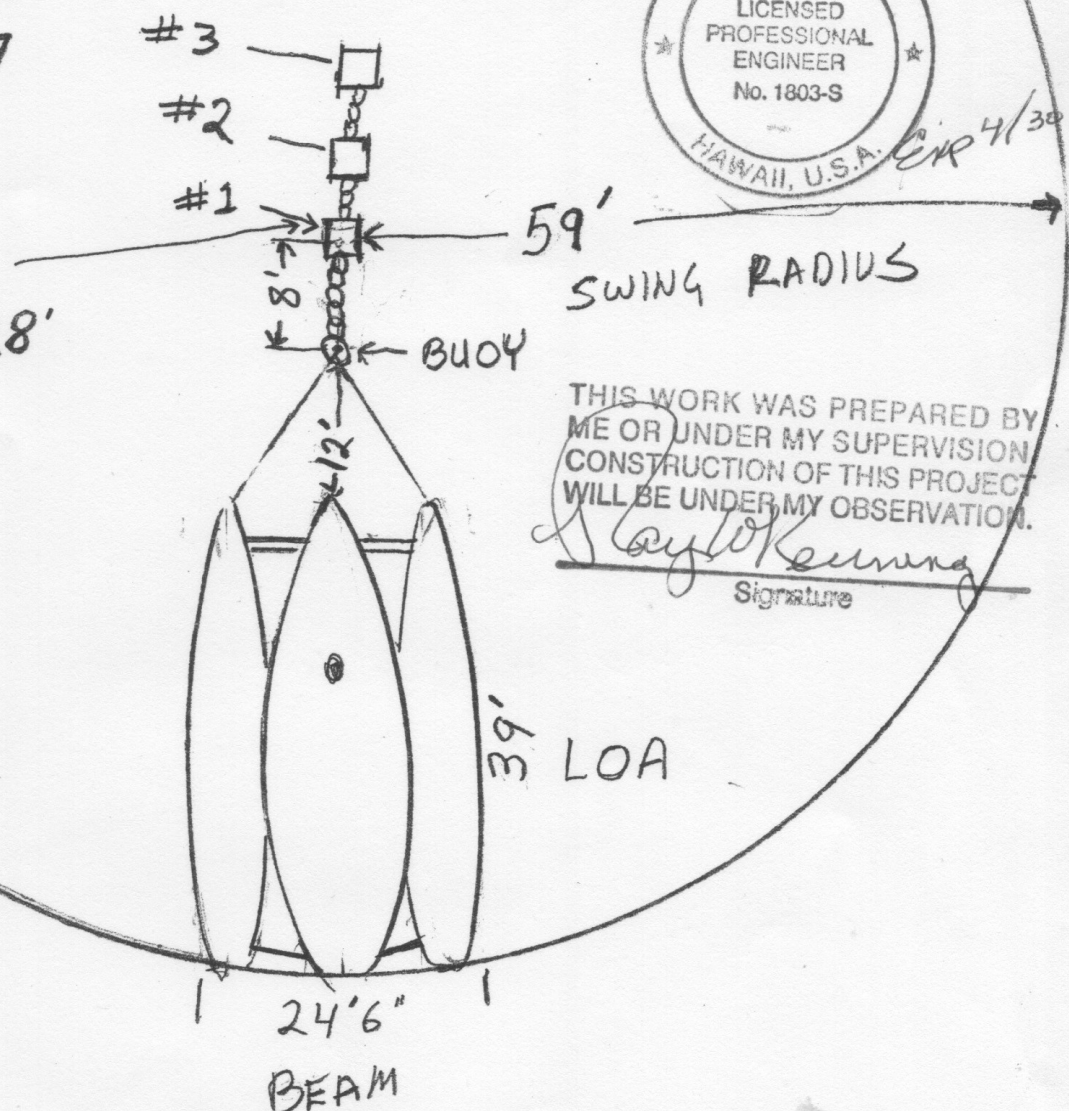
MAXIMUM SWING RADIUS OF ANCHOR CHAIN TO BUC  
AT MEAN LOW TIDE = 8'  
ANCHOR CHAIN TO TOP OF BOULEY = 16'  
8'

WEIGHT #2 & 3  
N 19° 43.663'  
W 155° 03.627'

WEIGHT #1  
N 19° 43.661'  
W 155° 03.628'



EXP 4/30/18



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ME OR UNDER MY SUPERVISION  
CONSTRUCTION OF THIS PROJECT  
WILL BE UNDER MY OBSERVATION.  
*Ray W. Keuning*  
Signature

MAXIMUM LENGTH OF CHAIN INCLUDING SHAKES & SWIVELS = 16'  
WATER LEVEL AT MEAN LOW TIDE 8'  
8' IS THE DIFFERENCE BETWEEN CHAIN LENGTH AND  
WATER LEVEL AT MEAN LOW TIDE  
8'  
SCALE 1/16" = 1'