



WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**  
Peter Goldmark - Commissioner of Public Lands

## Application for Use of State-owned Aquatic Lands

**Applicant Name:** Martin Musson  
**County:** Jefferson County  
**Water Body:** Port Townsend Bay  
**Type of Authorization - Use:** License – Mooring Buoy  
**Authorization Number:** 23-086778  
**Term:** 5 years

**Description:** This agreement will allow the use of State-owned aquatic lands for the sole purpose of installing and maintaining mooring buoy. It is located in Port Townsend Bay, in Jefferson County, Washington.

Date of Public Notice: 12/27/2010

Attn: Bridget Kamiński-Richardson



WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**  
Doug Setherland - Commissioner of Public Lands

### MOORING BUOY/BOATLIFT LICENSE APPLICATION

Enclose a \$25.00 non-refundable application-processing fee with the application. Any agency, political subdivision or municipal corporation of this state, or the United States is exempt from this \$25.00 application fee (WAC 332-10-190). The Department of Natural Resources (DNR) will review this application upon receipt and notify you in writing if the application is accepted for further review. DNR may reject this application at any time before authorization.

Please send the completed application form to your region land manager at:

Department of Natural Resources -OR Orca Straits District Aquatic Region 919 N Township Street Sedro-Woolley, WA 98284-9384 360-856-3500	Department of Natural Resources -OR Shoreline District Aquatic Region 950 Farman Avenue N Enumclaw, WA 98022-9282 360-825-1631	Department of Natural Resources Rivers District Aquatic Region 601 Bond Road; PO Box 280 Castle Rock, WA 98611-0280 360-577-2025
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1. Name:  
Address: P  
Telephone

110  
339  
336

2. Which of the following applies to Applicant (check one):

- Washington corporation -OR-  Partnership -OR-  Martial Community -OR-  Single Individual - OR  
(Other)

3.  Check if Upland Parcel owner address is the same as above. If not, fill in below:

Upland Parcel Owner Name: N/A

Address: City: State: Zip:

Telephone Number: Home: Work:

List or attach the required information:

4. Legal Description: Government Lot(s) N/A Section Township N. Range East - West W.M.

5. Latitude: Longitude: SEE #6

6. Global Positioning System (GPS) location if known: N48.0344667° W 122.7503834°

7. Depth of Water at buoy/boatlift location: 54 feet at zero tide

8. Length of Vessel: 32.3ft LOD Vessel Registration Number: WN1977NE

9. Attach copies of any regulatory permits or waivers required. Although this may not be a complete list for your area, note the ones needed and attached:

- a.  WA Department of Fish & Wildlife  
c.  U.S. Army Corp of Engineers  
e.  Other

See Note

- b.  County Shoreline Permit (s)  
d.  WA Department of Ecology

Notes: - These will be applied for in due course, per our phone calls and e-mails.

Land Manager: New Application	Renewal Application
Land Manager: Initials	Aquatic Program Manager Initials
Support: Application Fee Received	Date
Land Records: New Application Number	
Land Records: Trust County	AQR Plate No.

# INFORMATION REQUIREMENTS FOR A MOORING BUOY/BOATLIFT LICENSE

Include all the requirements outlined with your application. Submit a two page Exhibit A map no longer than 18 inches x 24 inches. On the first page, provide a vicinity map on a USGS 7.5 minute quadrangle map. On the second page, provide a drawing with the details for question 5 at a scale of 1 inch = 200 feet or larger.

- 1. Is there a mooring buoy or boatlift currently at this site? Yes  No
- 2. If yes, does the mooring buoy or boatlift belong to the applicant? Yes  No  N/A

If no, who does the buoy or boatlift belong to?

Name:  
Address: N/A nothing there yet.  
Telephone:

- 3. If yes, is the mooring buoy or boatlift authorized by DNR? Yes  No  N/A  
I am seeking authorization now.
- 4. If yes, what is the DNR lease number? N/A

5. Mark the position of the buoy or boatlift either by a differentially corrected Global Positioning System (GPS) measurement or by conventional surveying methods. Mark the position in relation to its anchor. The information must be accurate to (+ or -) 10 feet. A licensed surveyor must provide this information, or you must document it as follows:

- A. List a coordinate of the anchor position with a state plane grid coordinate or a latitude and longitude. N 48° 03' 46.67" W 122° 75' 03.834"
- B. Detail the survey method used to mark the position of the buoy ~~or boatlift~~. GPS + Depth Sounder
- C. List the land stations used to fix the position. You must have a minimum of two fixed stations and a closed traverse, or differentially corrected GPS measurements to determine the (+ or -) 10 feet requirement, and verify azimuth. Garmin GPS was locked on to 12 satellites with very strong signals to an accuracy of 10ft.
- D. List the time and date you performed the work. 11/25/10 @ 2pm
- E. List the tidal correction and the depth to the anchor of the buoy ~~or boatlift~~, and how you determined it. Tide @ + 7ft, Depth reading 61ft = 54ft @ zero tide
- F. Provide the distance from the appropriate line of state ownership, for example, mean high tide, extreme low tide, the line of ordinary high water, or the line of navigability (fresh water). 500ft from MHW
- G. List the distance from other mooring anchors, structures or hazards in the area. 294 feet from Yarrowburgh DNR 23-162003
- H. Show a full circle on the exhibit that should be free from all obstacles including buoys, docks or other hazards. The circle radius of the authorized area for a vessel 30 feet or less is 130 feet. The radius for a vessel from 30 to 60 feet is 175 feet. ✓ see exhibit A second sheet.

# EXHIBIT B

## Plan of Operations and Maintenance For a Mooring Buoy and/or Boatlift license

### GENERAL

The buoy and/or boatlift must meet or exceed all applicable federal, state and local regulations. DNR may revoke this license if a buoy or boatlift is not in good working condition or poses a hazard to other vessels, structures, or state-owned aquatic land.

### VISIBILITY AND IDENTIFICATION

1. The buoy and/or boatlift must float at least 18 inches above the surface of the water.
2. The buoy and/or boatlift must be marked with the DNR license authorization number. The numbers must be at least 3 inches tall and visible from 20 feet.

### BUOY AND BOATLIFT DESIGN

Install a mid-line float on:

- all freshwater buoys or boatlifts, and
- all marine (saltwater) buoys or boatlifts located in depths of less than -30 feet Mean Low Low Water (MLLW)

The mid-line float must be:

- sufficient to hold the tether line off the bottom, and
- located at a distance from the anchor equal to 1/3 the maximum water depth at extreme high tide.

### ANCHOR DESIGN

1. The anchor must be sufficient to hold the vessel in all weather.
2. The Licensee bears responsibility to ensure that the anchor does not move.
3. If the anchor moves offsite, DNR may terminate this license and require removal of the buoy, boatlift and anchor.
3. DNR prefers anchor systems which minimize impacts to the bottom and does not allow "dampening anchor" systems.

### BOATLIFTS

The owner shall inspect boatlifts annually and maintain them in good working condition. The lifts may not be used:

- To house vessels during refueling.
- To wash vessels.
- For vessel maintenance of any kind.
- To store fuels or oils that may enter onto state-owned aquatic lands.

N/A

1. Check the type of system used to secure the boatlift. It is attached to a:  
Revised August 2008

N/A

- Recreational Dock
- Bulkhead
- Buoy Anchor
- Freestanding
- Other

2. The boatlift is made of: **N/A**  
 Steel     Aluminum     Polyethylene     Wood     Other

3. The boatlift will remain in place year round  Yes  No **N/A**

3. If no, it will be removed from \_\_\_\_\_ to **N/A**

**MAINTENANCE PLAN**

Describe in detail the maintenance plan for the buoy and / or boatlift and anchoring system:

Jim Arnold of Alpha Marine Installations, certified Helix installer, will install a triple Helix ten feet into the seabed substrate. It will be a suspended system of approximately seventy feet of one inch double braided nylon line with mid-line float. The aforementioned will attach to six feet of half inch long link chain that runs through the center of a 24" diameter hard shell pass through buoy with 3/4" shackles + 7/8" swivel plus two six foot pennants.

Maintenance

Helix installation and all underwater tackle is expected to have a 40 year life. A diver would go down yearly to inspect anchor security and all underwater tackle. The top 6ft of chain and shackles at the pass through buoy will be inspected yearly and renewed as necessary.

Note:

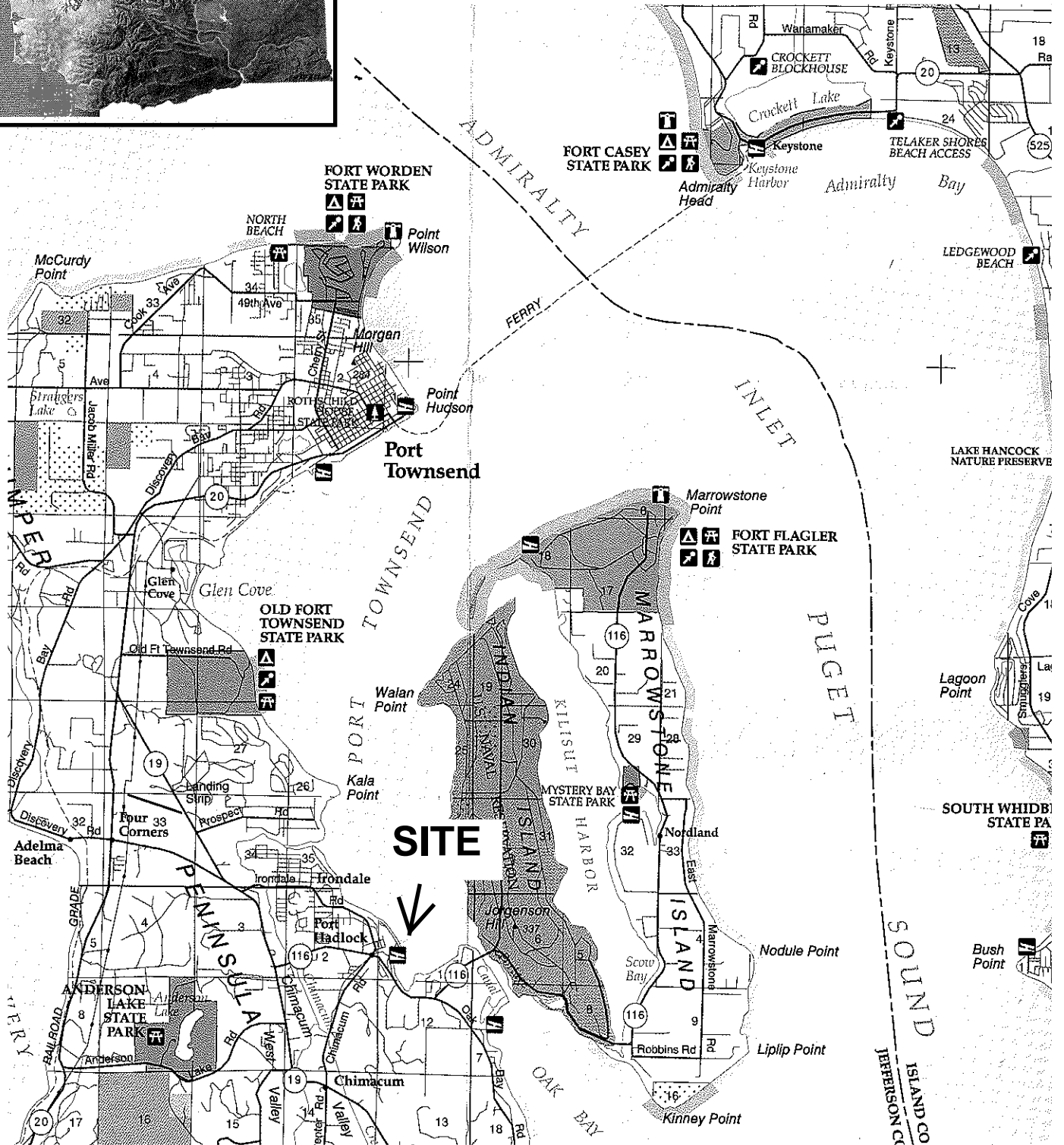
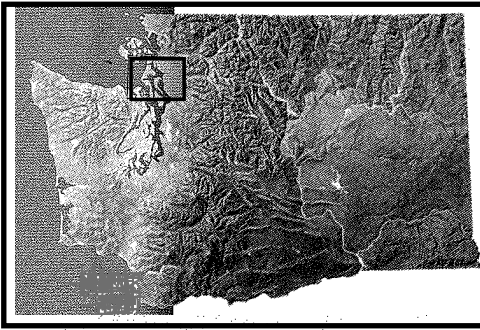
The triple helix system as described above has been sized to withstand up to 100 knots of wind and local wave action based on my sailboat's size and displacement.

Per Jim Arnold (Alpha Marine Installations)  
11/29/10

[p.s. Jim installed Yarborough's DNR23-162003 Helix system]

M. Mussen 12/02/10

# VICINITY MAP



## VICINITY MAP

Mooring Buoy License Application

23-086778

Port Townsend Bay

Martin Musson

# Survey



Exhibit A  
Mooring Buoy License Application  
Martin Musson  
23-086778

