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
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:

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

2. Which of the following applies to Applicant (check one):
   - Washington corporation - OR - Partnership - OR - Martial Community - OR - Single Individual - OR (Other)
   - [ ] Single Individual

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: ___________________________

6. Global Positioning System (GPS) location if known: N 48°03'44.667" W 122°15'30.3834"

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

8. Length of Vessel: 32'3"  
   Vessel Registration Number: WA1977NE

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
   b. [ ] County Shoreline Permit (s)
   c. [ ] U.S. Army Corp of Engineers
   d. [ ] WA Department of Ecology
   e. [ ] Other

Note(s): These will be applied for in due course, per our phone calls and e-mails.

Revised August 2008
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 X

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: N/A nothing here yet.
Address:
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.

B. Detail the survey method used to mark the position of the buoy or boatlift.

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 10 ft.

D. List the time and date you performed the work. 11/25/10 2 pm

E. List the tidal correction and the depth to the anchor of the buoy or boatlift, and how you determined it.

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). 500 ft from MHW

G. List the distance from other mooring anchors, structures or hazards in the area.

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. 

Revised August 2008
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.

1. Check the type of system used to secure the boatlift. It is attached to a: N/A
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 w/ 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

[Pero Jim installed Yarborough's DNR23-162003 Helix system]
VICINITY MAP
Mooring Buoy License Application
23-086778
Port Townsend Bay
Martin Musson