

# PACKS Checklist

## CATEGORY C: HABITAT IMPROVEMENT ACTIONS

Category	Subcategory and Covered Activity	Covered Activity Details
<b>Category C: Habitat Improvement Actions</b>	Includes habitat improvement actions that may accompany actions requiring a Clean Water Act, Section 404 permit (404 permit).	Actions include: derelict debris removal, use of encapsulated floats, removal of treated wood pilings, reduction in overwater structure footprint, replacement of decking with grated surface, large wood installation.

### DIRECTIONS

You have determined that your project includes this PACKS category. Multiple subcategories may apply to your project. Continue below to review the PACKS category-specific CCMs. As emphasized at the top of the CCMs section, in the space provided after each CCM, applicants must provide a citation referencing the page number addressing that CCM of the appropriate document (i.e., geotechnical report, plan sheet) or “n/a” if not applicable.

Submit these documents as part of your permit application package. Once an applicant has reviewed and cited applicable CCMs, they must sign and date the last page agreeing to incorporate the applicable CCMs into their design, construction, and methods.

Lastly, if your project includes an additional PACKS category (or categories), proceed to and complete the additional applicable PACKS Checklist(s).

### DISCLAIMER

This checklist is provided by Tacoma Power as a Corps Section 404 application tool and does not guarantee PACKS coverage.

### CATEGORY C CONSTRUCTION CONSERVATION MEASURES (CCMS):

**All activities under this PACKS category must comply with the following category-specific CCMs, as applicable:**

In the space provided after each CCM, applicants must provide a citation referencing the page number addressing that CCM in the appropriate document (i.e., geotechnical report, plan sheet) or “n/a” if not applicable. Submit these documents with your permit application package.

Category C - Removal of Derelict Structures	Citation or N/A
This activity does not include the removal of natural wood. Natural sources of wood should be retained.	<input type="checkbox"/> N/A
Debris removal must occur between the applicant’s extended side lot lines to a distance of 50 ft from OHWM; the applicant cannot remove debris from lots or open water areas outside of their extended leased lot lines.	<input type="checkbox"/> N/A
All debris removal at or below the OHWM must be completed in a manner that is the least substrate-disruptive practicable method for the debris type. For example, the use of a barge mounted or land-based crane working in the dry to remove derelict piles is acceptable. The careful use of a clamshell-type bucket to grab and lift debris may be acceptable if it would not dig into the substrate or break up the debris. However, land-based machinery cannot be operated from positions at or below the existing water line at the time of the work.	<input type="checkbox"/> N/A
All debris must be staged and transported to appropriate upland disposal facilities in a manner that prevents fine sediments and other deleterious materials from reentering the reservoirs.	<input type="checkbox"/> N/A

<b>Category C - Removal of Derelict Structures</b>	<b>Citation or N/A</b>
When derelict material is removed, equipment should be stationed on the bank.	<input type="checkbox"/> N/A
Removed material should not be dragged.	<input type="checkbox"/> N/A
Material should be dismantled in place using hand tools and manual labor or land-based equipment and taken to a licensed upland disposal site.	<input type="checkbox"/> N/A
Following removal of derelict material, the applicant must fill and smooth over any depressions created in the bed with material that has the same composition as native material. Fill material must be sloped towards the bank at a slope similar to the prevailing condition.	<input type="checkbox"/> N/A
Derelict structures that extend below the OHWM (e.g., docks, floats, piling, or piers) should generally be removed using hand tools and manual labor.	<input type="checkbox"/> N/A
Shoreline structures and debris such as derelict boat ramps, bank protection, shore armoring, creosote-treated logs or timbers, derelict buildings, or other material should generally be removed using hand tools and manual labor or land-based equipment and taken to an upland disposal site.	<input type="checkbox"/> N/A
For derelict vessel removal, all toxic materials such as fuel and oil must be removed from the vessel before it is towed or removed.	<input type="checkbox"/> N/A
Creosote-treated timbers and materials containing asbestos must be disposed of at an approved facility.	<input type="checkbox"/> N/A

<b>Category C - Use of Encapsulated Flotation Devices</b>	<b>Citation or N/A</b>
This activity involves the encapsulation of non-encapsulated flotation devices, or the removal and replacement of non-encapsulated floats with new encapsulated floats, when not associated with a single-family, shared, or community dock replacement. This activity applies to floats below the OHWM within 50 ft of the lessee's lot line.	<input type="checkbox"/> N/A

<b>Category C - Removal of Treated Wood Pilings</b>	<b>Citation or N/A</b>
When creosote pile removal is not otherwise required, this activity involves the removal of creosote-treated wood at or below the OHWM and within 50 ft of the lessee's lot line (i.e., derelict piles and/or other creosote-treated wood debris). Creosote-treated piling must be pulled out or cut off 2 ft below the mudline and covered with clean material.	<input type="checkbox"/> N/A

<b>Category C - Reduction in Size of Overwater Structures</b>	<b>Citation or N/A</b>
For activities that involve the repair, replacement, maintenance, and/or consolidation of existing overwater structures, this option involves an overall reduction in size of overwater structures (i.e., compared to existing conditions).	<input type="checkbox"/> N/A

Category C - Replacement of Solid Decking with Grated Decking	Citation or N/A
For activities that do not otherwise require grated decking, this option involves the replacement of existing solid decking with at least 30 percent grated decking to increase light penetration.	<input type="checkbox"/> N/A

Category C - Bioengineered Large Wood Installation	Citation or N/A
Large wood must be installed below the OHWM and within the lessee's lot lines.	<input type="checkbox"/> N/A
Large wood must be adequately anchored or installed in a manner that prevents relocation in most wave action or reservoir conditions except for extremely severe storms. Any anchors used for securing large wood should be buried.	<input type="checkbox"/> N/A
Large wood installations must be designed by a licensed engineer and in accordance with the WDFW Integrated Streambank Protection Guidelines (WDFW 2002).	<input type="checkbox"/> N/A

**I have read through the above-listed CCMs and agree to incorporate all applicable CCMs into the project design, construction, and methods.**

Project Applicant Name Signed	Date
Project Applicant Name Printed	