



Guidelines for Securing Use Authorization for Restoration and Mitigation Projects on State-Owned Aquatic Lands

If you plan to carry out habitat restoration or compensatory habitat mitigation projects on state-owned aquatic lands, you will need authorization from the Washington State Department of Natural Resources (DNR). In addition, you may also need to obtain permits from other agencies, depending on the location of your project.

All the applications are available online at one location under the **Joint Aquatic Resources Permit Application (JARPA)**. A complete DNR application must also include **Attachment E** of the JARPA. (Go to <http://tinyurl.com/jarpa-wa>)

The following guidelines will help you in preparing the main JARPA form. It is strongly recommended that applicants provide a draft of their JARPA forms to DNR for review and consultation prior to official submission.

Under question 6b, “Describe the purpose of the project and why you want or need to perform it,” include the following:

1. Specific project goals and objectives for meeting those goals, including a list of any species targeted by the restoration and if they have federal or state Listing status.
2. List of all species that use the project area.
3. Explain how the project fits with watershed or other landscape level plans.
4. Describe how each specific project objective will be achieved.
5. Indicate if the project is compensatory mitigation and if it is:
 - Identify the specific environmental impacts that are being mitigated for (i.e. loss of juvenile salmon winter high flow refuge areas);
 - Identify if the project mitigates for these impacts “in-kind” and how this is achieved;
 - If the project provides “out-of-kind” mitigation, describe why it is not possible to provide “in-kind” mitigation and describe how the project provides adequate compensation for the impacts.
6. Provide a detailed description of the project area, including:
 - Extent of the project area (area and/or linear distance);
 - Type of water-body;
 - Indicate if the site is tidal;
 - Indicate if the site is in fresh, brackish, or salt water;
 - If applicable describe:
 - Channel type (confined, moderately confined, unconfined & initiation, transport, response);
 - Ordinary high water width of the channel;

- Channel gradient;
- Average high and low flow levels (in CFS);
- 100 year flood flow (CFS);
- Approximate width of the 100 year floodplain;
- Approximate width of the inactive floodplain.
- Water-body substrate type (i.e. bedrock, cobble, gravel, sand, silt);
- Soil type (mapping units) and geology;
- Describe and map any wetlands, side-channels, inactive side channels, and floodplains that are directly in the vicinity of the project area;
- Describe and map other restoration, large woody debris, and bank stabilization projects in the vicinity of the project area;
- Describe and map significant, naturally occurring, large woody debris accumulations in the vicinity of the project area;
- Describe and map any other outstanding ecological features in the vicinity of the project area.

Under question 6e, “Describe how you plan to construct each element described in 6d. Include specific construction methods and equipment to be used,” include the following:

1. Provide a project design that includes the following information:
 - Map and air photo of the project area that indicate ownership boundaries;
 - Detailed site map;
 - Detailed design drawings and text;
 - Engineering designs. All engineered elements must be stamped by a licensed engineer. All large woody debris structures designed to be static must be engineered by a licensed engineer.
 - Materials to be used in the project, including:
 - Number, species, and dimensions of wood to be used;
 - Hardware type and dimensions;
 - Rock size and quantity.
 - Length of time the project is expected to remain in place and/or maintain structural integrity.
2. Describe the project construction techniques, staging, and timing.
3. Describe project contingency plans for design changes necessitated by on-site environmental conditions.
4. Provide a project monitoring plan that describes:
 - Entity responsible for monitoring;
 - How the specific project goals and objectives will be monitored;
 - Specific parameters that will be monitored;
 - Monitoring timeline including frequency and duration;
 - How monitoring results will be reported;
 - Adaptive management plan.
5. Describe contingency plans in the event of project failure.
6. Describe adjacent landowners and public/stakeholder consultation process and outcomes.