PSRSL Riparian Planting and Maintenance Plan Template

All PSRSL Grant Recipients are required to submit a riparian planting and maintenance plan to the Ecology Project Manager whenever the project involves any planting or maintenance activities to be reimbursed completely, or in part, with Ecology funding or when the costs are match for Ecology funding. Please complete the information below, sign, and return this form to your Ecology Project Manager prior to implementing the project.

When planting is to occur at multiple sites as part of a single agreement, the Recipient must submit individual riparian planting plans for each site. **The Recipient can submit an alternative plan in lieu of this template, as long as it contains all elements described herein. In the case of match projects, planting plans developed by collaborating entities are also acceptable.**

All restoration and maintenance activities must be consistent with technical references listed in Appendix L of the [Funding Guidelines](https://apps.ecology.wa.gov/publications/documents/2406020.pdf), and maintenance requirements listed in Appendix A at the end of this document. Adherence to these requirements and completeness of information provided will be the basis for review and approval of the plan.

Grant Recipient: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Grant Project Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Grant Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Site Project Manager Organzition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Site Project Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Site Project Manager Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Waterbody Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Landowner Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is there a signed landowner agreement? [ ]  Yes [ ]  No

Have you submitted a Cultural Resources Review Form ? [ ]  Yes [ ]  No

1. **Project Purpose**. State the project goals and objectives. Goal statements should articulate desired outcomes (your vision for desired future condition) and what species benefit from those outcomes. Objectives are statements of specific outcomes that typically can be measured or quantified over time. Refer to Chapter 4 of the [WDFW Stream Habitat Restoration Guidelines](https://wdfw.wa.gov/sites/default/files/publications/01374/wdfw01374.pdf)[[1]](#endnote-1) for further information on goals and objectives.
2. **Climate Change.** Describe how climate change could or is affecting the site (hydrology, temperature, precipitation) and how you have incorporated climate risk into your site selection and planting and maintenance plan. How does this project create increased resilience?
3. **Project Description**. Provide a written description of the project-related activities to occur with and beyond this PSRSL grant, including details around any of the following that apply:
	1. Planting species, type, size, origin, amount
	2. Noxious weed management
	3. Site prep
	4. Maintenance activities (See Appendix A of this doc)
	5. Irrigation
	6. Livestock exclusion
	7. Any future restoration/enhancement activities anticipated at this site
4. **Riparian Buffer Width.** What will be the minimum width of the buffer? If implementing a 3-Zone RMZ, please provide the proposed Core Zone, Inner (Middle) Zone, and Outer Zone widths.
[ ]  35 ft. [ ]  50 ft. [ ]  75 ft. [ ]  100 ft. [ ]  Other: \_\_\_\_\_\_\_\_\_\_

[ ]  Core Zone: \_\_\_\_\_\_\_\_\_\_

[ ]  Inner (middle): \_\_\_\_\_\_\_\_\_\_

[ ]  Outer: \_\_\_\_\_\_\_\_\_\_

1. How has the Ordinary High Water Mark (OHWM) been determined for this site? See: [Ecology's Page on OHWM](https://ecology.wa.gov/Water-Shorelines/Shoreline-coastal-management/Shoreline-coastal-planning/Shoreline-Management-Act-SMA/Shoreline-Management-Act-jurisdiction/Ordinary-high-water-mark)[[2]](#footnote-1)
2. Using Ecology’s [mapping tool](https://waecy.maps.arcgis.com/apps/webappviewer/index.html?id=a099d5b1cd404306896c153661abeea5)[[3]](#footnote-2), fill in the following information as provided by the tool for the stream adjacent to the planting or maintenance project:
* Three-Zone Option- Core Zone width: \_\_\_\_\_\_\_\_\_\_\_\_\_
* Stream Category: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Bankfull Width Range: \_\_\_\_\_\_\_\_\_\_\_\_
1. Referencing Table 6 (page 115) in Appendix L of the [Funding Guidelines](https://apps.ecology.wa.gov/publications/documents/2406020.pdf)[[4]](#footnote-3), fill in the following information for the stream adjacent to the planting or maintenance project:
* NMFS Channel Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Is the buffer width for this site less than Table 6 indicates as the Buffer – Minimum Default Width for the NMFS Channel Type? [ ]  Yes [ ]  No
1. If any or all of the project site will not meet the minimum required buffer size, please describe why. If unsure of buffer size requirements, refer to the [Funding Guidelines](https://apps.ecology.wa.gov/publications/documents/2406020.pdf) or discuss with your Ecology Project Manager.
2. \*Maintenance Only Projects: When PSRSL is funding maintenance activities on any existing site(s) that does not meet the current buffer width requirements (as indicated by the exercise above), submit a Landowner Engagement Strategy to your Ecology Project Manager along with this plan, prior to implementation. See Appendix A of this doc for details.
3. **Monitoring and Maintenance Responsibilities**. Describe planned maintenance and monitoring activities, including the frequency and duration of each activity to be performed, and who will be responsible for the work in the short-term and long-term (10 years minimum).
4. **Planned effectiveness monitoring** activities to occur in future years, if relevant.
5. **Project Site Map**. Attach a full-page aerial photo or detailed drawing of the site and adjacent water body. Indicate within map:
	1. project boundary
	2. riparian buffer width
	3. locations of plantings and plant species or types
	4. existing plant communities
	5. location of maintenance activities
	6. location of exclusion fencing (existing and/or new)
	7. other current or planned restoration activities within boundary
6. **Project Site Photos.** Attach “before” photos of the project that are representative of the site conditions, problems, and cause of problems, particularly in relation to the planned activities.

Appendix A – Maintenance Requirements

Maintenance activities must be performed in accordance with requirements outlined in the Funding Guidelines and as stated below. The RECIPIENT assumes financial responsibility for any instances of non-compliance and will not be eligible for reimbursement for those activities.

1. Eligible Maintenance Activities: Activities are expected to be site specific at the determination of the RECIPIENT and may include those listed below. RECIPIENT may propose additional activities to be approved by ECOLOGY where necessary to improve habitat function at a given site.
	* 1. Re-planting to address mortality or improve species diversity and understory habitat
		2. Watering/irrigation
		3. Manual invasive weed control (pulling, mowing)
		4. Chemical invasive weed control (following all rules and regulations pertaining to herbicide application)
		5. Biological control (where appropriate and approved), placement
		6. Replacement, or placement, or removal of herbivorous animal control (tree tubes, beaver fencing etc.)
		7. Removal of unnecessary weed control measures (plastic mulch)
		8. Repairs to low-tech instream projects
		9. Thinning to improve biodiversity and tree health
2. Landowner Engagement Strategy: If maintenance is planned to be performed on any site(s) that does not meet the current buffer width requirements, RECIPIENT must submit a Landowner Engagement Strategy to ECOLOGY prior to performing maintenance. The strategy must describe how the RECIPIENT will communicate with these landowners about changes in buffer width recommendations, the benefits of wider buffers, and incentives and resources available to support a buffer expansion.
3. Maintenance Activity Requirements:
	* 1. Maintenance activities may only occur on existing riparian restoration sites with riparian forest species composition (conifers).
		2. Maintenance activities may not occur on Conservation Reserve Enhancement Program sites that are currently under contract and where the landowner is receiving financial compensation for participation.
1. https://wdfw.wa.gov/sites/default/files/publications/01374/wdfw01374.pdf [↑](#endnote-ref-1)
2. https://ecology.wa.gov/Water-Shorelines/Shoreline-coastal-management/Shoreline-coastal-planning/Shoreline-Management-Act-SMA/Shoreline-Management-Act-jurisdiction/Ordinary-high-water-mark [↑](#footnote-ref-1)
3. https://waecy.maps.arcgis.com/apps/webappviewer/index.html?id=a099d5b1cd404306896c153661abeea5 [↑](#footnote-ref-2)
4. https://apps.ecology.wa.gov/publications/documents/2406020.pdf [↑](#footnote-ref-3)