What is Process-based Restoration (PBR)?

Process-based restoration is partnering with nature to restore or maintain ecosystems that have been impacted by human activities. It involves understanding the system’s functional processes to set the stage for ecological recovery. PBR approaches initiate positive feedback cycles to increase resilience in degraded ecosystems. In many cases, we may need to apply PBR approaches to start physical restoration and conduct research. It’s a holistic approach that considers multiple scales and drivers of change to develop effective and sustainable solutions.

Project Spotlight

A small but effective wood and rock structure at Round Valley supports Cascades frog egg masses (marked by red pin flags). Photos: Bennie Johnson, Collins Pine.

Small but effective wood and rock structures at Round Valley support Cascades frog egg masses (marked by red pin flags). Photos: Bennie Johnson, Collins Pine.

Research Spotlight

A new paper coming out in MRB Water by Chris Jordan, Northwestern Fisheries Science Center uses macroinvertebrate metrics to develop a decision framework for assessing the success of process-based restoration actions. The authors urge that it’s time to incorporate a workforce of 40-42 highly skilled beaver engineers to address the growing need for ecological function and to ensure the success of restoration actions. In many cases, we may need to apply PBR approaches to start physical restoration actions in a timely and cost-effective manner to restore degraded ecosystems.

Process-based restoration is partnerships with nature to restore or maintain ecosystems that have been affected by human activities. It involves understanding the system’s functional processes to set the stage for ecological recovery. PBR approaches initiate positive feedback cycles to increase resilience in degraded ecosystems. In many cases, we may need to apply PBR approaches to start physical restoration and conduct research. It’s a holistic approach that considers multiple scales and drivers of change to develop effective and sustainable solutions.

Project Spotlight

A small but effective wood and rock structure at Round Valley supports Cascades frog egg masses (marked by red pin flags). Photos: Bennie Johnson, Collins Pine.

Research Spotlight

A new paper coming out in MRB Water by Chris Jordan, Northwestern Fisheries Science Center uses macroinvertebrate metrics to develop a decision framework for assessing the success of process-based restoration actions. The authors urge that it’s time to incorporate a workforce of 40-42 highly skilled beaver engineers to address the growing need for ecological function and to ensure the success of restoration actions. In many cases, we may need to apply PBR approaches to start physical restoration actions in a timely and cost-effective manner to restore degraded ecosystems.

A new paper coming out in MRB Water by Chris Jordan, Northwestern Fisheries Science Center uses macroinvertebrate metrics to develop a decision framework for assessing the success of process-based restoration actions. The authors urge that it’s time to incorporate a workforce of 40-42 highly skilled beaver engineers to address the growing need for ecological function and to ensure the success of restoration actions. In many cases, we may need to apply PBR approaches to start physical restoration actions in a timely and cost-effective manner to restore degraded ecosystems.