**Cram, Jeremy – Washington Department of Fish and Wildlife**

**Presentation Title:** **Spatially Continuous Abundance and Age-Structure of Juvenile Steelhead**

Abstract for the 2018 Pacific Coast Steelhead Management Meeting

Authors: Jeremy Cram and Dan Rawding

Estimating juvenile abundance using spatially continuous mark-recapture methods for stream fishes may provide a viable alternative to site-based approaches that are less robust to patchy fish and habitat distributions. This presentation will focus on preliminary results from two years of investigation in Peshastin Creek, a key wild steelhead production area for the Wenatchee River. Results include fall parr abundance, distribution, and age-structure, estimates of spawner-to-parr survival, emigration patterns, and other life history information.