

Knowledge Exchange Workshop - Restoration Monitoring

March 14th, 2023 9:00am to 3:00pm PST

DFO and PSF are pleased to provide an opportunity to share knowledge on practices and standards for restoration effectiveness monitoring from a diverse panel of researchers, scientists and field professionals working in the Pacific Region and beyond.

TIME	TOPIC	LEAD
9:00 – 9:05	Welcome	Dale Desrochers, <i>DFO</i>
9:05-9:10	Opening remarks	Jason Hwang, <i>PSF</i> Chrissy Czembor, <i>DFO</i>
9:10 – 9:35	Thinking about habitat monitoring: the “Why” sets the stage for “What” “When” “Who” and “How”. Success of a habitat monitoring program depends on clear thinking about <i>why</i> we want to monitor. Identification of realistic restoration goals is essential in developing an effective monitoring program.	Mike Bradford, <i>DFO</i>
9:35 – 10:05	Monitoring of aquatic habitat offsets in Canada: Learning by standardizing sampling design, approaches, and evaluation. An overview of current efforts to modernize how DFO-required monitoring is conducted by producing standardized protocols, data collection, and storage solutions that would allow for periodic meta-analyses	Karen Smokorowski, <i>DFO</i>
10:05 – 10:20	Break	
10:20 – 10:45	Overview of the North Thompson Salmon Ecosystem Research Program A discussion how watershed scale monitoring and research can inform restoration activities	Doug Braun, <i>DFO</i>
10:45-11:15	Using Indicators, Thresholds, Automated Calculators and Report Cards to create Regional and Habitat-specific Monitoring with a Standardized Foundation A discussion on the need, challenges and approach to standardize monitoring methods, data analysis and interpretation of results to permit meta-analysis.	Mike Pearson, <i>Pearson Ecological</i>



11:15 – 12:00	Morning Session Panel Q&A	Chrissy Czembor/Jason Hwang
12:00 – 1:00	Lunch	
1:00- 1:30	Opportunities to advance diverse objectives through riparian restoration monitoring Monitoring objectives and protocols associated with two restoration methods for riparian Cottonwood communities in the Okanagan	Kasey Moran, <i>UBC</i>
1:30 – 2:30	A History of Restoration Monitoring on the Okanagan River Restoration Initiative The Okanagan Nation Alliance (ONA) have 20 years of monitoring data specific to the restoration of spawning and rearing habitat for salmon in the Okanagan River. Traditional Ecological Knowledge has guided restoration works while monitoring data has assisted in helping us learn on how to return the rivers energy.	Karilyn Alex, <i>ONA</i>
2:00 – 2:30	Characterization of thermal refuge habitats and habitat use by stream-dwelling juvenile Pacific salmon and steelhead – Nicola River, BC. An overview of how mapping, characterizing and studying migration patterns of thermal refuge habitats can provide insight into restoration and monitoring strategies	Tom Willms, <i>NVIT</i>
2:30 – 2:55	Afternoon Session Panel Q&A	Jason Hwang/Chrissy Czembor
2:55 – 3:00	Closing Remarks	Dale Desrochers

