



WATER AND FISH PROGRAM
RESEARCH PRIORITIES WORKSHOP
Tuesday May 10, 2022

8:30 – 8:35 **Setting the stage**
Matthew Pyper, FUSE Consulting

8:35 – 8:45 **Overview of the Water and Fish Program**
Dr. Barry White, fRI Research

Theme #1. Understanding complexities between aquatic environments and forest management and fire

8:45 – 9:15 **Strategic issues of disturbance hydrology of Alberta's eastern slopes: Déjà vu and emerging pressures**
Professor Uldis Silins, University of Alberta

9:15 – 9:45 **Moving beyond ECA to understand hydrological hazard**
Dr. Ryan MacDonald, MacHydro

9:45 – 10:15 **Stream temperature and fisheries management: does the difference between correlation and causation matter?**
Dr. Ryan MacDonald, MacHydro

10:15 – 10:30 Bio break

10:30 – 11:00 **Water is life – an Indigenous perspective**
Todd Bailey, Swan River First Nation

Theme #2: Use of high density lidar to map sediment risks and aquatic habitats

11:00 – 11:30 **Biodiversity and growth assessment from 3D sensing**
Professor Nicholas Coops, University of British Columbia

11:30 – 12:00 **Characterising the forest road network using airborne LiDAR data**
Professor Alexis Achim, Université Laval

12:00 – 1:00 Lunch provided

1:00 – 1:30 **New horizons in watershed management**
Dr. Lee Benda, Terrainworks

Theme #3: Towards recovery of listed cold water fish species

- 1:30 – 2:00 **Review of current fish research and emerging techniques**
Professor Mark Poesch, University of Alberta
- 2:00 – 2:30 **Native trout recovery actions: the importance of a coordinated and comprehensive stream temperature program in Alberta**
Lisa Schaubel, Alberta Environment and Parks
- 2:30 – 3:00 **Aquatic biomonitoring: the next step in assessing stressors and successes?**
Erin Humeny, fRI Research
- 3:00 – 3:15 Bio break
- 3:15 – 3:45 **Group exercise: What are we missing?**
Matthew Pyper, FUSE Consulting
- 3:45 – 4:00 **Closing comments, observations and next steps**
Dr. Barry White, fRI Research

Watch
Online

In-person
Registration