

# Water Engagement Initiative TWG update

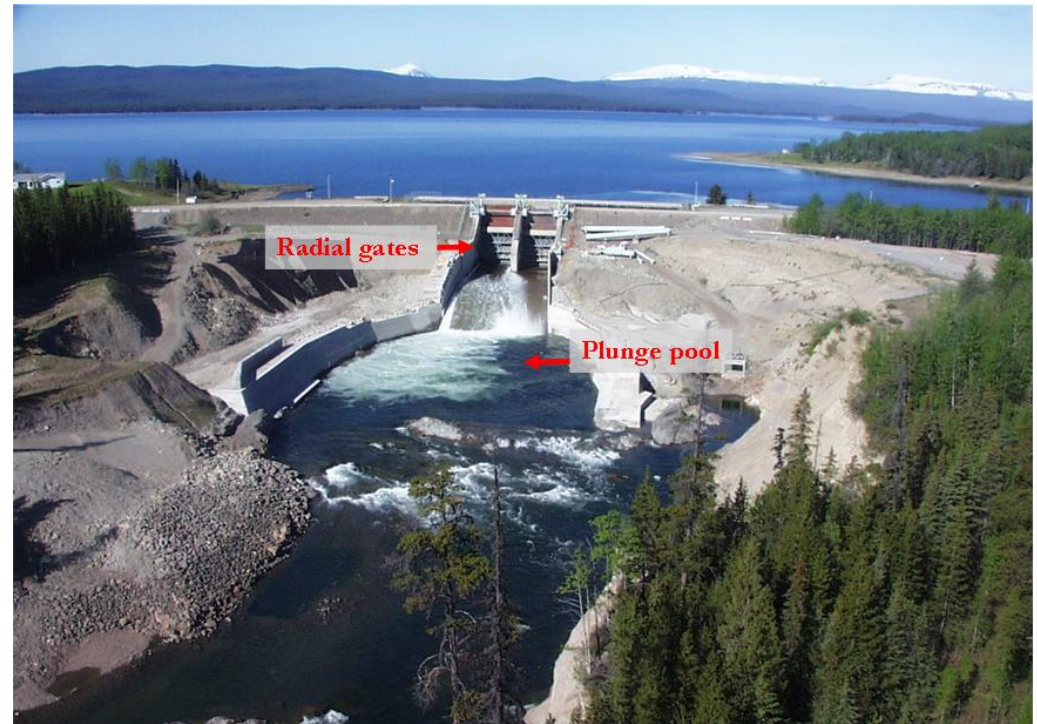
Jayson Kurtz, Technical Coordinator

Wed, April 6, 2022



# TWG Update

- General update
- Issues Scoping and PMs
- Sturgeon
- Climate Change and



# General Update

- TWG
  - Continue to meet ~2 hrs every 2 weeks
  - Anticipate increase in meeting duration
  - Sense of renewed interest, critical tasks forthcoming
- Indigenous Groups
  - Outreach via Rahul, RT
  - Initial feedback positive: MT issues include issues important to Indigenous Groups
  - Follow-up with individual issues



# Issues Scoping & Performance Measures

- Continue to scope issues, including full range of MT interests
- 61 issues/groups of issues
- 3 steps
  - Technical memo (literature review, analysis)
  - Performance Measure (what flow/level is good for the issue)
  - Scoping Document (summary document)



# Issues Scoping & Performance Measures

- 8 technical memos in 2021
  - by Ecofish and other specialists
  - Reviewed and endorsed by TWG
  - Provided to MT, will also be summarized in Scoping Document
- An additional 21 technical memos underway
- Concurrently developing draft PMs
  - Initial high-level, coarse PM for initial Structured Decision Making
  - PMs will be refined along the way



# Sturgeon

- Collaboration with NWSRI
- Update on WEI activity



# Sturgeon

- Jayson attended NWSRI TWG meeting on Feb 15, 2022
- Provided general update about WEI process, issues scoping



# Sturgeon

- Group discussion on WEI options:
  - Wait for NWSRI
  - Jurisdictional scan
  - Develop PM
  - Rely on professional opinion
  - Adaptive management
- General agreement to collaborate more
  - Sturgeon sub-committee here?
- WEI technical memo underway





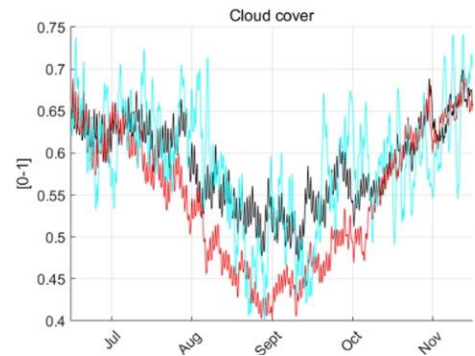
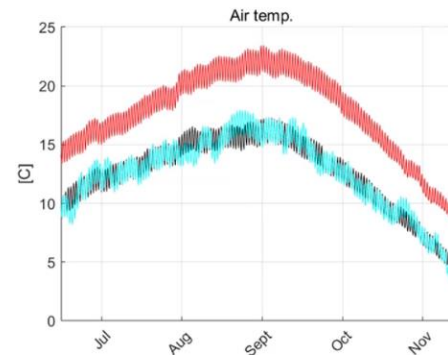
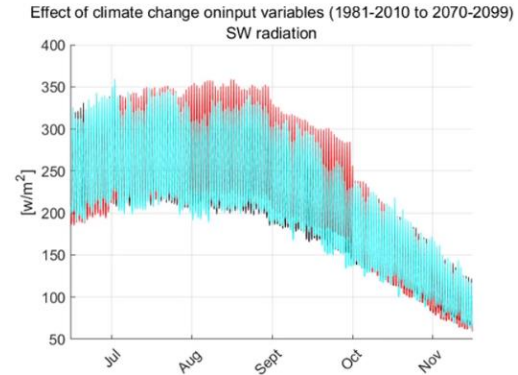
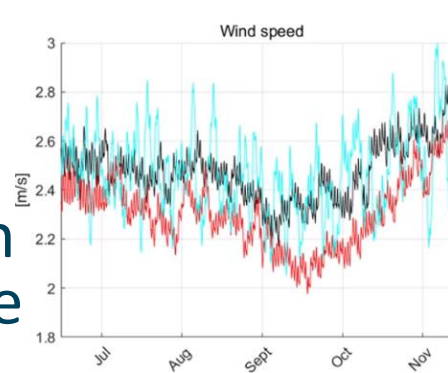
# Climate change

- Led by RT
- Primary academic research through several universities
- Support by TWG, Ecofish



# Climate change

- Collaborating with active research on CC
- Multiple model approach using the most up to date methods and data
- Nechako-specific climate change model
  - CC being built into RT reservoir model and river model



# Climate change

- Completed modelling at Nautley for daily flow and temperature.
  - Working to improve lake representation.
- Models have been successfully calibrated and validated
  - Stuart, Nautley, and Upper Nechako
  - Continue to collect and evaluate climate data for future simulations.
- Running simulations for future climate scenarios
  - 50 and 100 years into the future
  - Mid-range and high end climate models

