

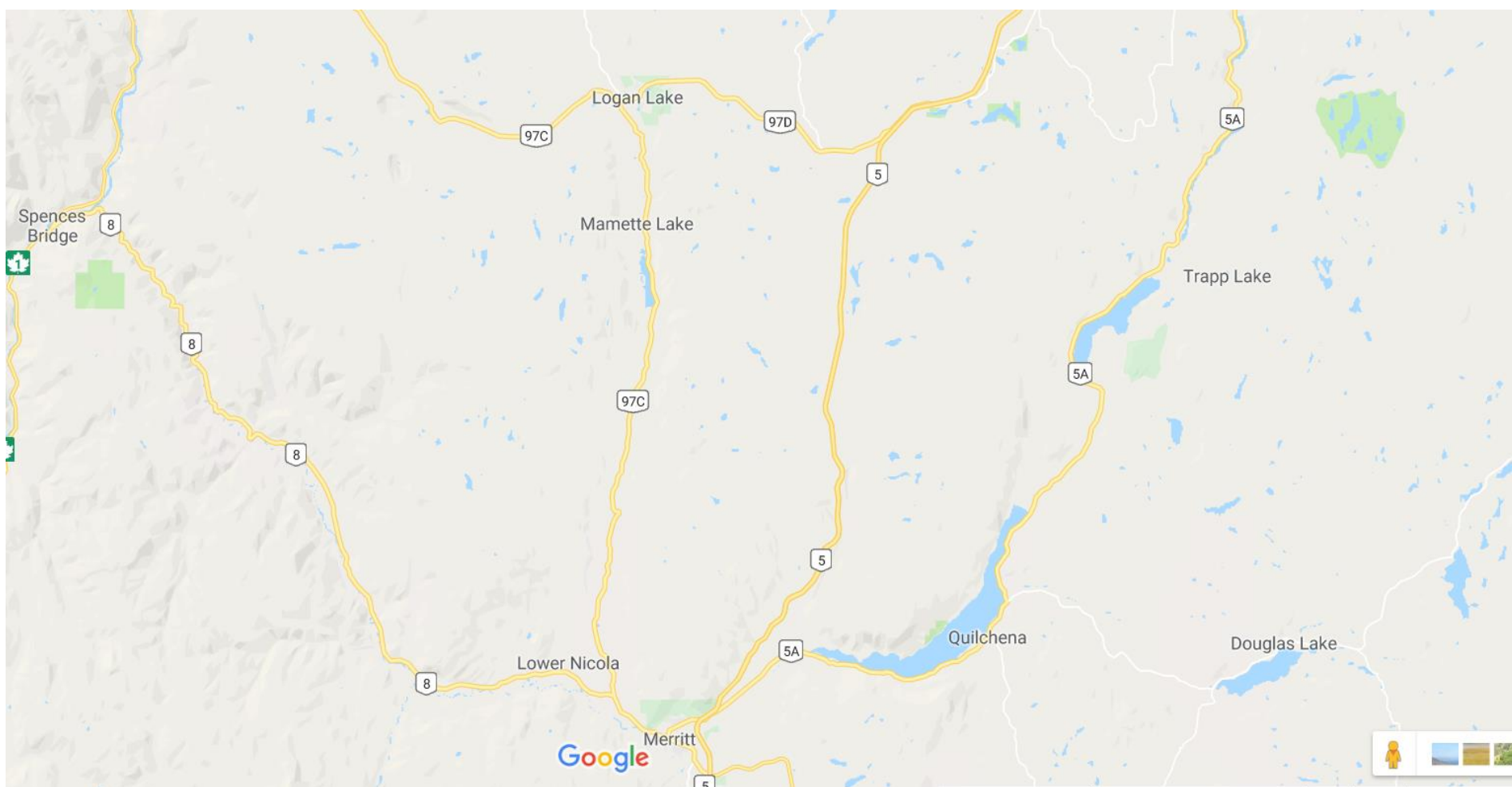
# Optimizing use of Mamit Lake Storage to benefit salmonid production in Guichon Creek and the Nicola River

Rich McCleary, FLRNORD Ecosystems

# Successful Integration Requirements

1. Policy / Legislation
2. Science / technology
3. Infrastructure
4. Management team (governments, First Nations, License holders)

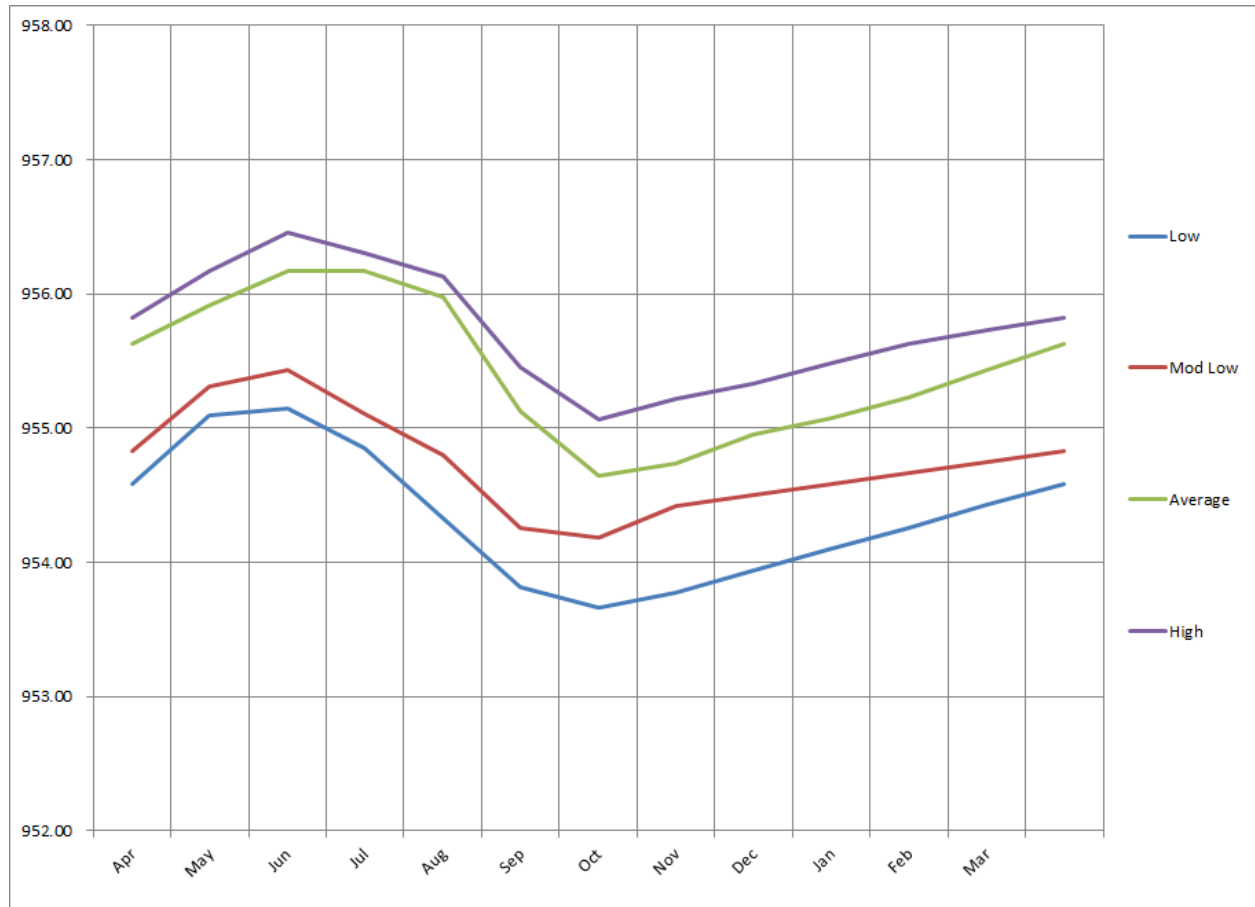
# What We Learned in Drought 2015



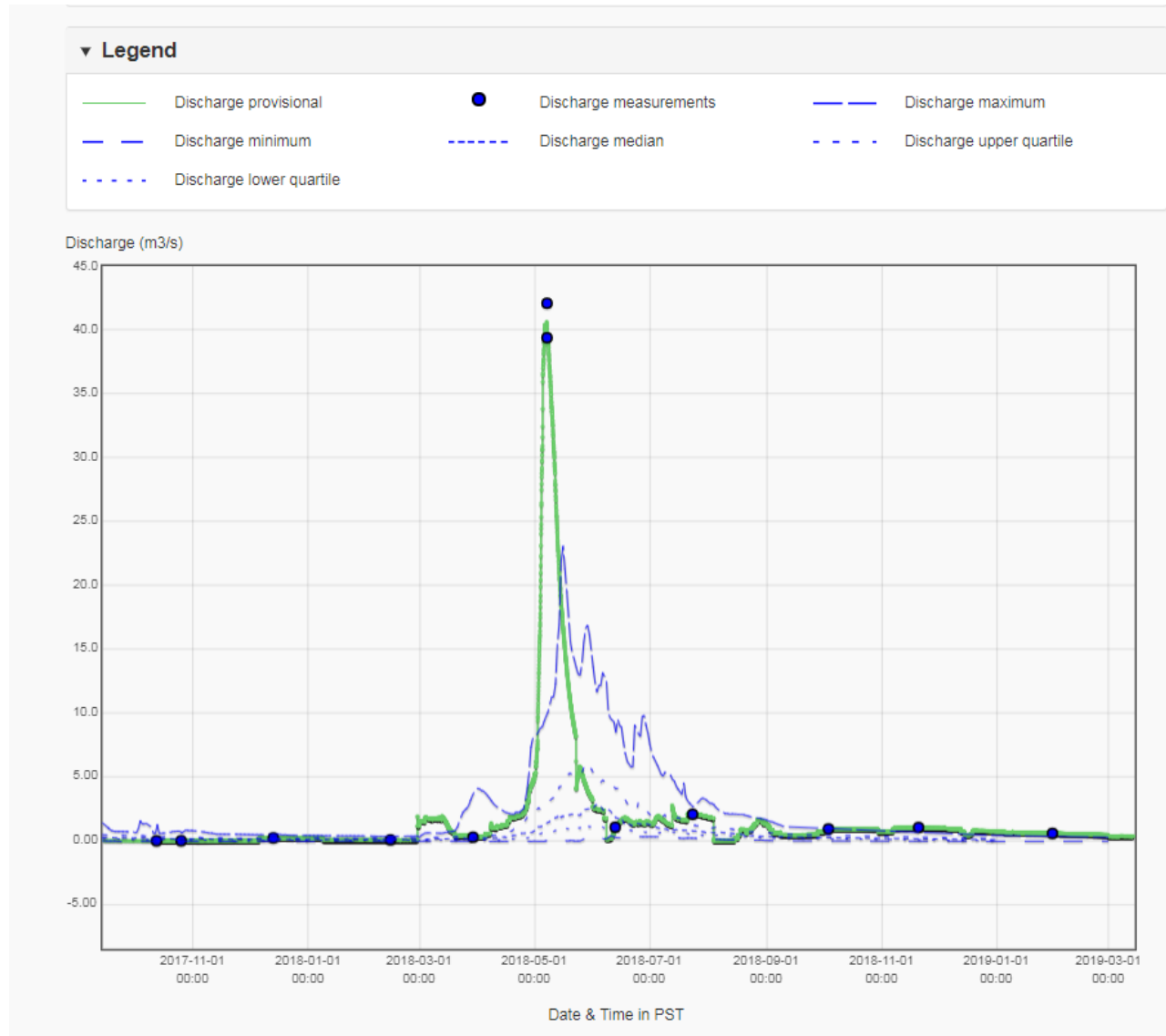
If properly managed, a little surplus storage can go a long way towards remediating drought during the chinook migration

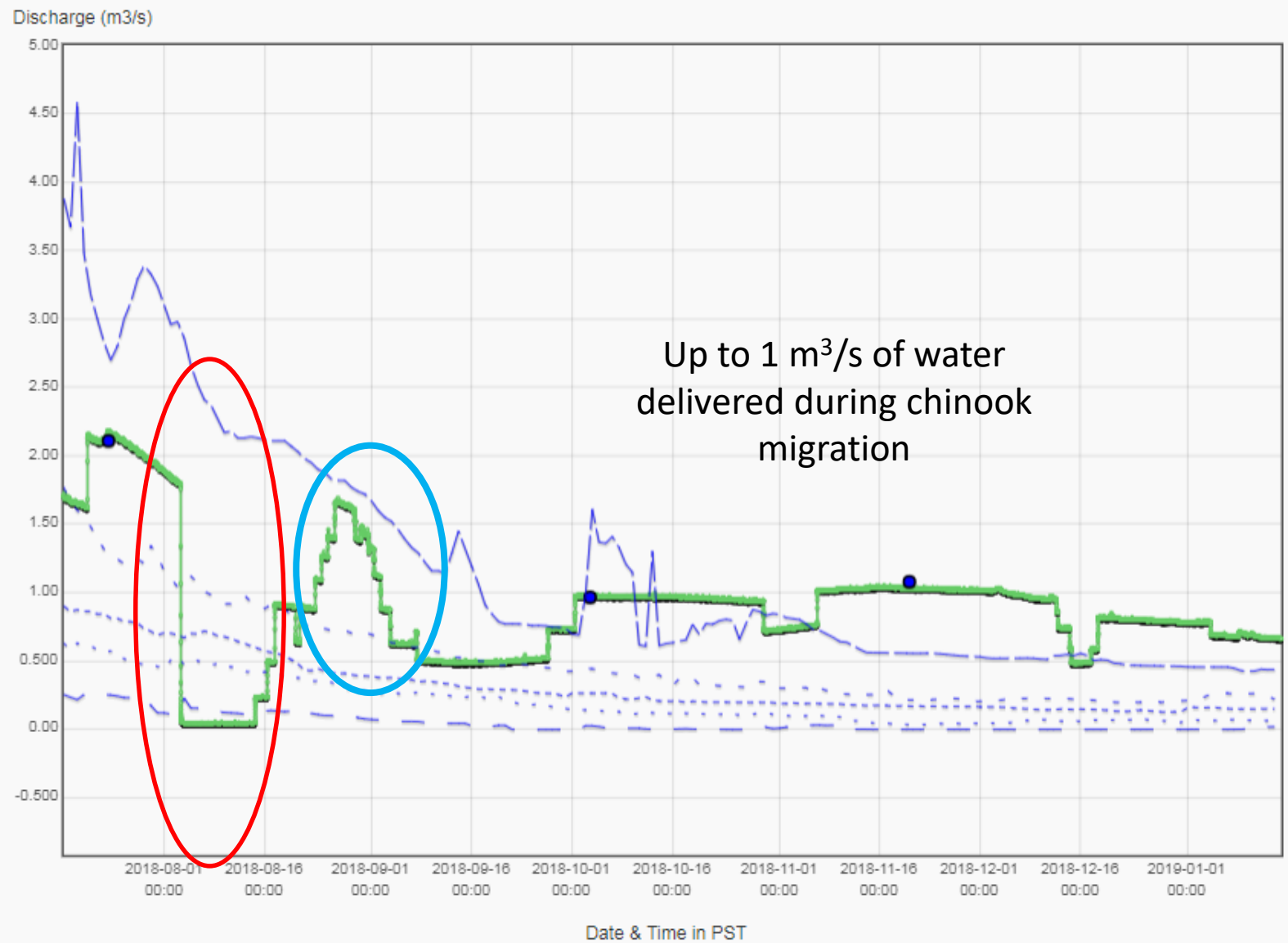
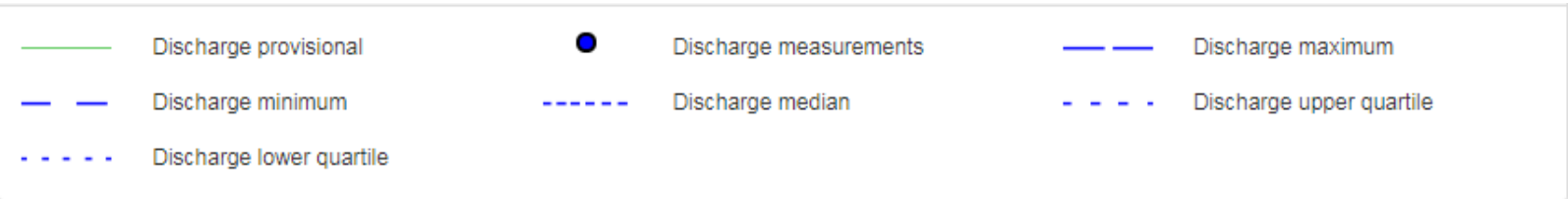
# Draft Mamit Lake Water Release Plan for Agricultural Use and Environmental Flow Needs March 30, 2016

Phil Epp. 2016.  
Mamit Lake Water  
Release Plan for  
Agricultural Use  
and  
Environmental  
Flow Needs

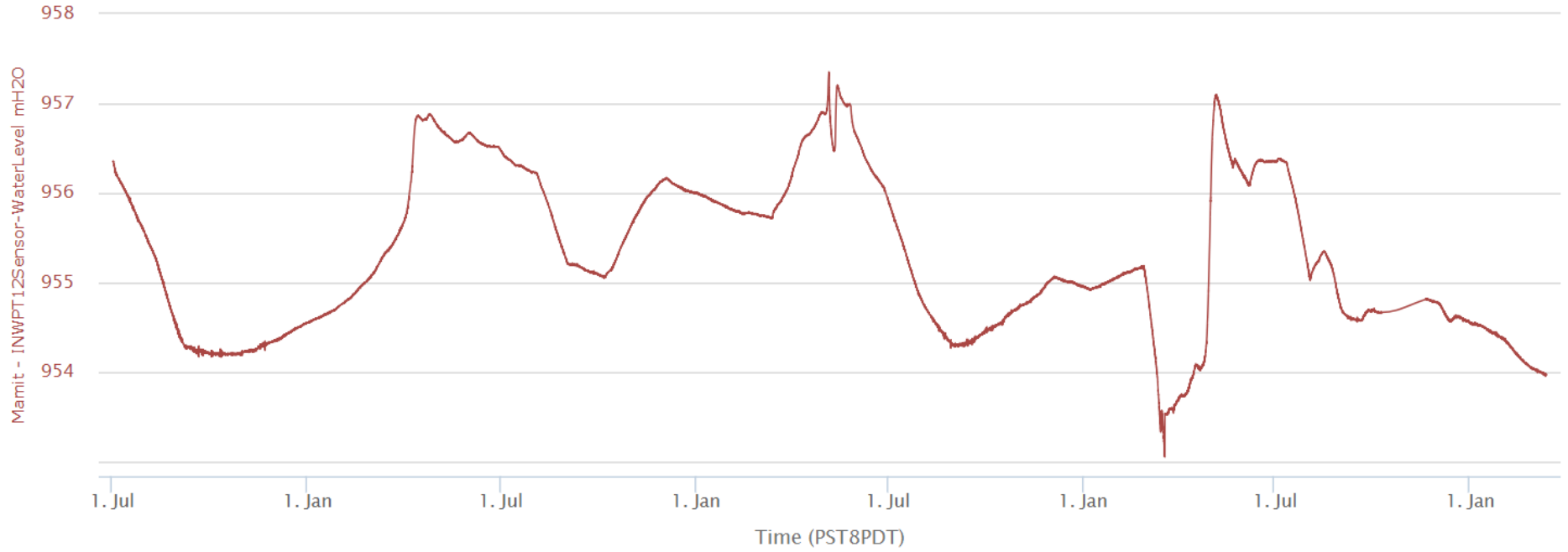


# Guichon Creek at Outlet of Mamit Lake





# Mamit - INWPT12Sensor-WaterLevel



# Planning and Operations

Spillway damage from 2017 and 2018 floods is limiting storage capacity for 2019. Use of spillway must be avoided until engineering plans are complete and repairs are made.

Have team formed with Lower Nicola Indian Band, FLRNORD Dam Safety, FLRNORD Ecosystems and DFO.

Potential consequences:

1. limited storage available to meet licensed demand
2. Limited surplus storage to meet fisheries needs