

# Cowichan Lake

## Weir Design and Natural Boundary Determination





# Weir Design

- 4 engineering companies responded to the Request for Proposal to complete the engineering design, cost and drawings for a new weir.
- Evaluated against technical strength, experience, and cost
- 2 engineering companies proceeded to the next level of scrutiny
- Interviews, clarifications, analysis and references
- 1 company was chosen – Stantec.
- Final negotiations and completing contract issues this week.
- Work to really get started in February. Initial focus will be on data gathering to support a comprehensive geotechnical evaluation.

# NATURAL BOUNDARY DETERMINATION AND ANALYSIS

- Approximately 867 lots along 110 kilometers of shoreline. Includes Islands.
- Requires a defensible analysis to support future impact issues due to a change in lake level if and when a new weir is constructed.
- Incorporates climate change modelling.



Natural Boundary Definition (LTSA, Surveyor General):

*"**natural boundary**" means the visible high water mark of any lake, river, stream or other body of water where the presence and action of the water are so common and usual, and so long continued in all ordinary years, as to mark on the soil of the bed of the body of water a character distinct from that of its banks, in vegetation, as well as in the nature of the soil itself; LAND ACT [RSBC 1996] CHAPTER 245*

# NATURAL BOUNDARY DETERMINATION AND ANALYSIS

- Working with Surveyor General, Land Title and Survey Authority of British Columbia (LTSA) and Ministry of Forestry, Land and Natural Resources Operations to determine an acceptable approach.
- Draft RFP information session held on January 24. Seven interested Consultants attended.
- Final RFP to be issued in February. Evaluation of proposals in March. Award in April.
- A preliminary weir design will inform some of the modelling to determine the impact of raising the weir, if any.
- The path forward is not perfectly clear.



# BC Salmon Recovery and Innovation Fund (BCSRIF) Grant

- Current spending for year 1 (May 2019 – March 31, 2020) is approx. \$1M behind forecast. Primarily due to timing of hiring a Project Manager and awarding key consultants.
- Amended contract with BCSRIF, to reprofile the cost and schedule, is due this week. End date for the grant has not changed (March 31, 2022)
- Good news – the weir engineering work will still be completed in this new timeframe and be within budget.
- The cost and schedule for the natural boundary work should okay but there is more uncertainty and this time.

Questions?  
Comments?