



THOMPSON-NICOLA

REGIONAL DISTRICT

The Region of BC's Best

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Notes of Teleconference Meeting re: Stump Lake Water Levels

Tuesday, June 30, 2020

PRESENT: TNRD Electoral Area Directors David Laird and Herb Graham
MLA Jackie Tegart, MLA Assistant Lori Pilon
Stump Lake Residents Randy Bourne, Spencer Bass, Mike Kidd and Les Hobson
Kerr Wood Liedal (KWL) Dwayne Meredith
City of Merritt CAO Scott Hildebrand
City of Merritt Corporate Officer Sean Smith
Indigenous Services Canada Brent Baron
Judith Guichon/Allison Crawford Guichon Ranch
Kirsten/Stump Lake Cattle Company
Dennis Frolek/Frolek Cattle Company;
Ministry of Transport (MOT) Infrastructure District Manager Trent Folk
FLNRO Pesheshytk, FLNRO Nicola Lake Water Manager Sarah Simon and FLNRO
Jeptha Ball
EMBC Senior Manager Andrew Morrison and Area Manager Mike Knauff
TNRD Emergency Supervisor Kevin Skrepnek and TNRD Community Services Ron Storie

ABSENT: Upper Nicola Indian Band
Ducks Unlimited
DFO

1. EA "M" David Laird Money for Study

- 5k each between Director Graham and Laird
- 20k from FLNRO
- 20k from TNRD Emergency Management Operations

2. MLA Jackie Tegart to Speak to the June 25 Minister's meeting

- Ministers Farnsworth, Donaldson, MLA Tegart and staff
- Both ministers aware of the issues and urgency of this emergency
- What comes out of study will be acted on
- Will try to encompass all short and long term solutions

3. Review of notes May 27 (see changes in italics)

- *Allison Crawford (Guichon Ranch) and Dennis Frolek (Frolek Ranch) were both on the call.*
- *DFO commented- flow in and flow out could be a win-win situation for the fish as long as the PH and alkalinity are maintained.*
- *Director Laird noted that the purpose of the meeting was to find a solution to this ongoing problem sooner rather than later so as not to seriously impact downstream users next year.*
- *Dennis Frolek (landowner of the land that encompasses the creek outflow) suggested that he would be in favour of seeing the outflow excavated in order to mitigate this problem.*

4. Basic parameters for Stump Lake

- Watershed is comprised of 197 km² / 97 km² (almost ½) comes from Stump Lake Creek
- Stump Lake Area 7.6 km²

MUNICIPALITIES: Ashcroft | Barriere | Cache Creek | Chase | Clearwater | Clinton
Kamloops | Logan Lake | Lytton | Merritt | Sun Peaks

ELECTORAL AREAS: "A" "B" "E" "I" "J" "L" "M" "N" "O" "P"

- Modeling data from 2018 MOTi data shows a q200 of 31m³ from inflow and 10m³ from outflow
 - Lake rise is called attenuation
 - Figures above based on MOTi Study
 - Once report is finalized it will be posted on TNRD website under Emergencies under Stump Lake Emergency Response
- 5. KWL Review of options discussed to date**
- North outlet option would entail a micro-tunnelling (<3.5meters in diameter) to the North, 3.5km long approximately \$40-50 million
 - Upland Storage Option – few storage options appear available / difficult to find additional storage areas
- 6. Stump Lake Study Scope**
- Focused on outlet control –define water balance model, define elevations (upper and lower), consider the timing of outflows, consider downstream infrastructure, encompass DFO / FLNRO environmental fisheries habitat concerns –develop a conceptual design that will have a capital, operational and maintenance cost to it
 - additionally the study will entail the ice on the lake in the winter of 2020 and the impacts the freshet may translate to the lake in 2021
- 7. Timeline for study completion September 2020**
- Next steps, completion of the FLNRO application (comprised of a Section 11, water license, and control structure application will go through an adjudication and appeal process)
 - Asset, operations and maintenance costs (from study design) will be rolled into the TNRD public consent process for the residents to agree to or not
- 8. Questions**
- Spencer Bass (resident) Consider the complete costs of homes that might be lost on the lake?
 - Spencer Bass (resident) Will any provincial funding be committed for province to fund a control structure? No funding committed until after the report has been completed
 - Water Licenses ... upstream and on lake (Dwayne KWL – licenses have not been looked at yet)
 - Mike Kidd (resident) Who built the historic dam? Judith Guichon suggests owners of Lot 366 were originally responsible
 - Randy Borne (resident) will study still consider a section 11 option? - a fall release of water might be a short term option – S Smith City of Merritt suggests Section 11 is not favourable as it will dump more water downstream into Nicola Lake during the freshet - KWL suggests that it will be considered.