



Jp2g No. 18-5109A

May 14, 2019

Bass Lake Residents, Landowners, and Stakeholders

**Reference: Notice of Consultation / Invitation to Consult
Bass Lake Outlet and Water Level Management
Consultation Period: May – June 14, 2019**

Jp2g has been contracted to assess the existing Bass Lake outlet and associated water level conditions, determine the full scope of stakeholder concerns and objectives, and develop a consensus on preferred solution. To that end, Jp2g has reviewed existing documentation of studies, discussion, and correspondence provided by the Township of Rideau Lake as this point regarding water level management on Bass Lake. The principal stakeholders and their resulting views (expressed within the initial documentation, but understood that the views are/will be more complex and are of a fluid nature) are summarized in the table below:

Stakeholder	Role	Concerns Understood at the Onset of the Project
Bass Lake Landowners and Concerned Residents	<ul style="list-style-type: none">• Represent the interests of lakeshore property owners• Ensure continued health of the Bass Lake ecosystem• Ensure continued recreational opportunities on Bass Lake	<ul style="list-style-type: none">• The outlet weir has been damaged, and this has lowered the normal lake level• Risk exists for complete failure, leading to ecological and social impacts• Isolated concerns with high spring water has been recognized• Wants to play an active role in ensuring the long-term stability of water levels on the Lake.



Stakeholder	Role	Concerns Understood at the Onset of the Project
Township of Rideau Lakes	<ul style="list-style-type: none">• Protect public safety and property within Township jurisdiction• Ensure fair and equitable dispensation of public funds• Limit risk to Township liability	<ul style="list-style-type: none">• Passive management is required• Site ownership and access must be resolved• Outlet structure ownership, management, and responsibility must be resolved.• Long term structural stability must be addressed
Regulatory Authorities (RVCA, MNRF, MECP)	<ul style="list-style-type: none">• Responsible for furthering the "conservation, restoration, development and management of natural resources in the watershed."• Responsible for protecting people and property from natural hazards like flooding and erosion.	<ul style="list-style-type: none">• The site is within a PSW, and will require permissions from the CA.• Flood risk must not be increased• Ecological services are not to be negatively impacted.• Current outlet berm implemented in the 1990's; but did not receive regulatory authority. This or any future structure should be in compliance with current regulations.

While there is likely that a solution that will be satisfactory to all stake-holders is possible, this process is intended to be open, transparent, and inclusive. As such, all stake-holders are invited to communicate with our office and ensure that your specific position is considered in development a plan to address the concerns with the existing structure.



The estimated schedule for this process is outlined below:

Task		Description	Timeline
1	Consultation	Solicit and compile stakeholder comments	May – June 14, 2019
2	Jp2g Site Investigation	Review site conditions during spring freshet	April 18, 2019
3	Public Presentation	Present summary of Jp2g investigation, consultant, and possible design solutions	Early June 2019
4	Conceptual Design	Perform hydrologic and hydraulic analysis for preferred solution	April – June 2019
Submit Conceptual Design Report – end of Phase 1 – June 2019			
5	Detailed Design	Create tender-ready design drawings and specifications for preferred option	TBD
6	Construction	Construction and commissioning of preferred solution	Spring - Summer 2020

This letter is an invitation to the above stakeholders to provide input on the process and ensure that each party's concerns are heard and addressed as part of the conceptual evaluation/design. Interested parties are invited to complete the attached survey and register to receive project updates and advance notice of the public presentation of alternatives. Note that communication by email or printed material will be accommodated depending on the stakeholder's preference.

Respectfully yours,

Stephen Arends, P.Eng.

Project Manager | Civil Engineer

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Bass Lake Water Level Impact Survey. Feel free to select more than one option where applicable. You may complete as much or as little of the survey as you desire. Space is provided should you have further clarification or questions on a particular point.

Question		Answer	Comment
1	Contact Information		
2	Role	<input type="checkbox"/> Resident <input type="checkbox"/> BLPOA Member <input type="checkbox"/> Regulatory Agency <input type="checkbox"/> General interest <input type="checkbox"/> Business Owner/Operator <input type="checkbox"/> _____	

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3	How are you impacted by lake water levels?	<input type="checkbox"/> Private road access <input type="checkbox"/> Public road access <input type="checkbox"/> Recreational use <input type="checkbox"/> Shoreline flooding or erosion <input type="checkbox"/> _____	
4	Have you experienced negative impacts from high water levels?	<input type="checkbox"/> Private road flooding <input type="checkbox"/> Public road flooding <input type="checkbox"/> Water encroachment on private property <input type="checkbox"/> Shoreline erosion <input type="checkbox"/> _____	
5	Have you experienced negative impacts from low water levels?	<input type="checkbox"/> Boating/swimming access and safety <input type="checkbox"/> Water Intake Issues <input type="checkbox"/> Weeds <input type="checkbox"/> Dock Damage <input type="checkbox"/> _____	

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6	How do you feel about the average water level in Bass Lake?	<input type="checkbox"/> Should be lower <input type="checkbox"/> Should be higher <input type="checkbox"/> Should be maintained to match existing condition	
7	How do you feel about the seasonal high water level in Bass Lake?	<input type="checkbox"/> Should be lowered to protect private property <input type="checkbox"/> Should be lowered to protect private road access <input type="checkbox"/> Should be lowered to protect public road access <input type="checkbox"/> Should be lowered to prevent shoreline erosion <input type="checkbox"/> Should be maintained to match existing condition	
8	Please rank your preferred alternative to managing the Bass Lake outlet	<input type="text"/> No outlet management <input type="text"/> Rehabilitate existing berm <input type="text"/> Naturalized outlet <input type="text"/> Concrete weir <input type="text"/> Other:	

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9	<p>What would be a reasonable budget to improve the lake outlet (including engineering, construction, and permitting costs)?</p>	<p><input type="checkbox"/> Less than \$100,000</p> <p><input type="checkbox"/> \$100,000 – \$300,000</p> <p><input type="checkbox"/> \$300,000 – \$600,000</p> <p><input type="checkbox"/> \$600,000 – \$1,000,000</p> <p><input type="checkbox"/> More than \$1 Million</p>	
10	<p>Please assign a relative weight to the following evaluation factors: <i>(assign a share of 100 points to each factor)</i></p>	<p>— Cost effective</p> <p>— Assessment of risk to the Township and safety of public (including property)</p> <p>— Significance of impacts to the existing ecosystem and natural conditions</p> <p>— Addressing stakeholder concerns</p> <p>— Timely</p>	

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11	When should final construction (if any) be complete?	<input type="checkbox"/> No construction <input type="checkbox"/> Fall 2019 <input type="checkbox"/> Spring 2020 <input type="checkbox"/> Summer 2020 <input type="checkbox"/> Fall 2020 <input type="checkbox"/> Further study required	
12	Further comments?		