

Environmental Implications of Options 2 and 3

- Environmental implications of providing pumping for Options 2 or 3:
 - Changes the function of the existing structures and modifies the downstream water regime.
 - Will result in alterations to the downstream channel and wetlands
 - Potentially modifies flow contribution into Shoal Lake, Lake of the Woods and international waters.
 - The dam will become an outright barrier to fish passage while the pumps are in operation.
 - A habitat compensation plan for alterations to the wetlands may be required.
 - Both options require an environment act license.
 - Both options would require indigenous consultation.
 - Additional time required to complete appropriate stakeholder consultations with groups such as the Lake of the Woods Control Board, local communities and the City of Winnipeg.
- Option 3 requires the existing dam and road to be raised approximately 0.7 m over approximately 750 m due to higher downstream water levels resulting from additional pumping discharge, road would need to be converted to a dike.



- Additional environmental implications of raising the dam for Option 3:
 - Footprint of dam impacts downstream aquatic habitat and wetlands.
 - Increased length of construction and schedule overall.