

Management of the Palmerston Lake Dam

Thank you to the Mississippi Valley Conservation Authority, Director, Water Resources Engineering, for providing the explanation of why and within what range the water levels are maintained

The Palmerston Lake Dam is managed to maintain water levels for recreational purposes and is operated in the spring to control flooding. MVCA takes into account the following while managing the structure:

- *Minimize flooding and associated property damages.*
- *Provide stable water levels for the trout fishery, from spawning (October) through to the hatch.*
- *Provide constant flows through the dam during the walleye spawning and hatching period (late April to May).*
- *Provide stable water levels during bass spawning in June.*
- *Maintain water levels for recreation.*
- *Maintain stable winter levels to protect water lines from freezing and minimize potential ice damage.*

MVCA operates this structure with a range of minimum elevation of 271.74 m and a maximum of 272.11 m. This range reduces the necessity for continuous operation and provides leeway for unexpected events.