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# Kennisis Lake Dam

May 21, 2016





# Today's Presentation

- Infrastructure program across the TSW
- Replacement of the Kennisis Lake Dam
- Additional work undertaken this spring
- Final stages of the project
- Water levels on Kennisis Lake



# Infrastructure Investment

- June 2015: \$285.6 M announced for the Trent-Severn Waterway National Historic Site
- Projects will address deferred work on locks, dams, bridges, walls, and buildings all along the Waterway and throughout the reservoir areas.





# Replacement of the Kennisis Dam

- Original crib dam built in 1873
- The new dam is the 7<sup>th</sup> major work on the dam at this location and the first since 1972
- Contract was awarded June '15 and construction began in August '15
- Timing of the project was shaped by input from community, environmental considerations, and water management needs
- New dam with estimated life of 80 years







# Replacement of the Kennisis Dam

Some of the issues with previous dam







# Replacement of the Kennisis Dam

Construction underway







# Replacement of the Kennisis Dam

Diversion channel







# Replacement of the Kennisis Dam

Working inside the new dam!







# Replacement of the Kennisis Dam

Dam at commissioning in Feb 2016

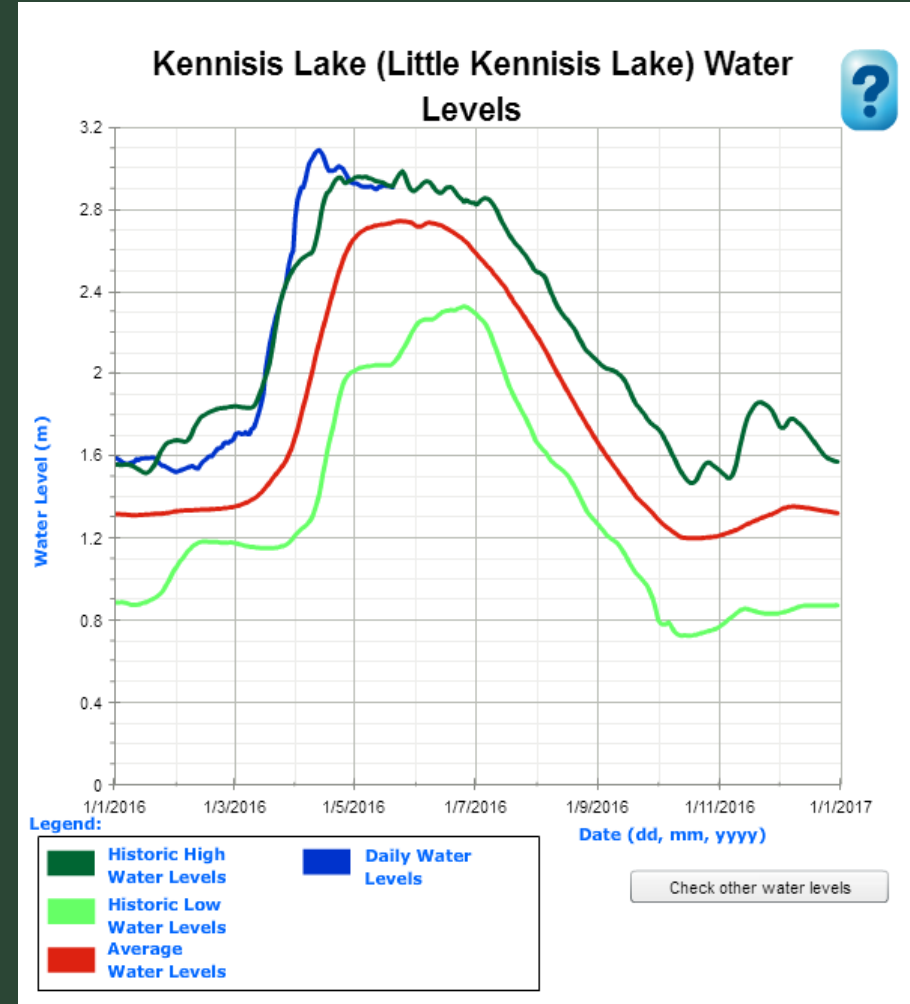




# Water Levels on Kennisis Lake

While a new dam is in place:

- Definition of full remains the same
- No change to the overall water management strategy across the TSW
- No change to flood management procedures







# Additional work this spring

- Spring provided a test – record high water level
- Close monitoring by Parks Canada team and contractors
- Seepage was observed through soil embankments
- Some small cracks – not a threat to dam, not uncommon to large mass concrete work. Will be further investigated and addressed.



# Final work underway at site

- Safety Booms are now installed
- Work underway to provide additional strength to North and South embankments
- Final cleanup, site remediation, replanting
- Boat launch – additional gravel and regrading
- Re-installation of boat rollers