



Long Point Region Conservation Authority

Teeterville Dam Class Environmental Assessment

NOTICE OF INTENT

Long Point Region Conservation Authority (LPRCA), through their consultant Matrix Solutions Inc., is undertaking a Class Environmental Assessment (EA) for the Teeterville Dam located within Norfolk County, within the Hamlet of Teeterville. The dam and associated reservoir are located on Big Creek, approximately 11 km northeast of the Town of Delhi. The map below shows the location of the study area.

While a dam and reservoir have existed on the current site since the 1830's, originally constructed to facilitate the movement of timber, the existing dam was constructed in 1915 after a flood destroyed the original wooden dam structure. The main portion of the existing dam is a concrete spillway gravity structure with earthen embankments on both sides. After taking ownership of the dam in 1954, the Big Creek Conservation Authority (pre-cursor of the LPRCA) modified the dam in 1962, adding three concrete piers to the downstream face to form four bays capable of holding stop logs and increasing the headpond elevation. A steel truss bridge formed the road crossing associated with the dam until 1971, at which time a new bridge was constructed approximately 13 m upstream, and the truss bridge was closed to vehicular traffic. The truss structure and a metal catwalk crossing were retained for another 50 years, offering access for dam operations, but were removed in 2022 due to safety concerns.

A Dam Safety Review (DSR) of the structure, commissioned by the LPRCA and completed in 2016, categorized the structure as having a "Low Hazard Potential" for both Sunny Day and Flood conditions. The earthen embankment portion of the dam was identified as potentially subject to internal piping/erosion but was generally considered to be safe. The abutments and piers, however, failed to meet standard safety criteria for sliding under all load cases. Given the identified structural deficiencies, the DSR concluded that the bridge represented "a potential liability and a danger to users" and recommended that its use be limited or phased out and that a Class EA process that includes public consultation should be undertaken to assess various alternatives to its long-term management.

The project will be carried out under the *Conservation Ontario Class Environmental Assessment for Remedial Flood and Erosion Control Works* document.

The Project Team invites public input and will incorporate comments and considerations into the planning and design of this project. The public will be notified in advance of Public Information Centres that will be held to present information on the project and receive public feedback. To submit comments, request further information, or to join the project mailing list, please contact:

Saifur Rahman, M.Eng., P.Eng.
Manager of Engineering & Infrastructure
Long Point Region Conservation Authority
4 Elm Street
Tillsonburg, Ontario, N4G 0C4
Tel: 519-842-4242 ext. 265
Fax: 519-842-7123
srahman@lprca.on.ca

Scott Robertson, P.Eng.
Senior Water Resources Engineer
Matrix Solutions Inc.
650 Woodlawn Road West, Unit 7B
Guelph, Ontario, N1K 1B8
Tel: 226-314-1962
Fax: 226-314-1908
srobertson@matrix-solutions.com

