



Board of Directors Meeting

AGENDA

June 5, 2026
2:00 p.m.

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1. First Nations Acknowledgement

We will begin by acknowledging that the land on which we gather is the traditional territory of First Nations people who have longstanding relationships to the land, water and region of southwestern Ontario. We also acknowledge the local lower Thames River watershed communities of this area which include Chippewas of the Thames First Nation, Oneida Nation of the Thames, Munsee Delaware Nation, Delaware Nation, Caldwell Nation and Walpole Island First Nation. We acknowledge the first nations people within the villages, towns and cities of our communities. We value the significant historical and contemporary contributions of local and regional First Nations and all of the Original peoples of Turtle Island (North America). We are thankful for the opportunity to live, learn and share with mutual respect and appreciation.

2. Call to Order

3. Adoption of the Agenda

4. Disclosure of Conflicts of Interest

5. Presentation

5.1 Request for proposals (RFP) Thames River Floodplain Mapping, Bloomfield Road down to the mouth of the Thames at Lighthouse Cove

Jason Wintermute, Manager of Watershed and Information Services will provide a presentation to the Board of Directors on this matter.

6. Business for Approval

6.1 Award – Floodplain Mapping Project for the Thames River from Bloomfield Road down to the mouth of the Thames at Lake St. Clair

Lower Thames Valley Conservation Authority (LTVCA) staff are providing this update, and a request to award a contract, with respect to the floodplain mapping project covering the downstream flood prone areas of the Thames River from Bloomfield Road down to the mouth at Lake St. Clair. The project is officially called “Flood Line Mapping For Thames River Phase 1, Outlet to Chatham, Within the Municipality of Chatham-Kent”.

Work is progressing on the three Floodplain mapping projects previously identified for funding under the Flood Hazard Identification Mapping Program (FHIMP). The LTVCA had applied for funding under the FHIMP program to undertake floodplain mapping studies for 1) Talbot Creek and some of its tributaries in the Township of Southwold, 2) McGregor Creek and Indian Creek watersheds in south Chatham out to Hwy 401, and 3) the downstream flood prone areas of the Thames River from Bloomfield Road down to the mouth of the Thames at Lake St. Clair. Transfer payment agreements for the three floodplain mapping project were signed on January 9th, 2026.

For this project, the Lower Thames Valley Conservation Authority is completing the floodplain mapping jointly with the Municipality of Chatham-Kent. The study covers both the downstream areas protected by diking as well as the unprotected floodplain areas between the diked portion and Bloomfield Road (see Figure 1). The Thames River through the study area is approximately 25 km long, with approximately 16 km of that protected by diking. Within this area there are some built up sections, but it mainly has rural areas along the Thames River. Included in the built-up areas are the local communities of Lighthouse Cove, Prairie Siding, Jeannettes Creek and Bradleyville. Urbanization continues to increase with infilling existing lots along the Thames River downstream of Chatham. The significant number of houses built adjacent to the river and behind the diking is a concern for flood forecasting and warning staff and emergency responders.

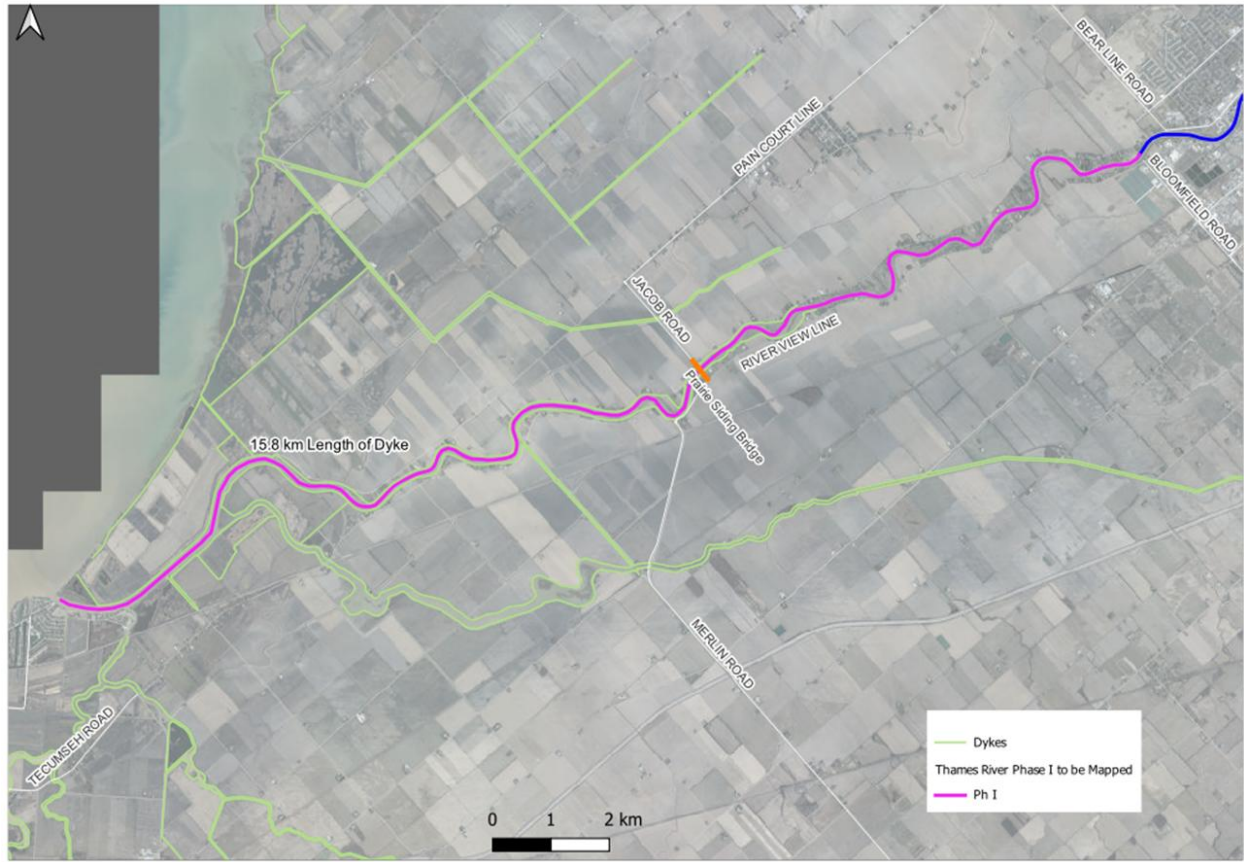


Figure 1. Study Reach

The study will address various types of flooding that could occur in the study area. Traditional floodplain mapping will be undertaken for the study area upstream of the diking to Bloomfield Road. A hydraulic assessment will be undertaken to determine the maximum capacity of the diking system to contain high flows. Another analysis will examine what flooding would occur should there be overtopping of the diking system during high flows. Then a complimentary analysis will be conducted examining 6 locations to determine what would happen should the diking fail due to ice jamming. Mapping of the community of Lighthouse Cove is not part of this study. The project will undertake floodplain mapping using LiDAR technology (2025 LiDAR acquisition by MNR) and bathymetric data. The latest technology will be used to create computer models and a high-resolution map of the area that will permit communities to plan with updated floodplain information. Recommendations will be made that will lead to addressing risk management issues and potential for growth adjacent to flood prone areas. Work will include analyses that will allow the consideration of alternative planning solutions for areas behind diking systems.

The Project Timing is as Follows:

Milestone	Date
Request For Proposals issued	<u>May 8, 2026</u>
Bidders Site Meeting/Question and Answer Session	<u>As requested by bidder</u>
RFP DUE	<u>May 29, 2026</u>
RFP Awarded/Work Commences/Letter of Intent Sent	<u>June 5, 2026</u>
Project Completion	<u>February 28, 2027</u>

LTVCA engineering staff will present an RFP evaluation report to the board and make a recommendation regarding the award.

Recommended Resolution:

The following wording is proposed once the decision has been made:

Recommendation:

That the Board of Directors approves the award of the “Flood Line Mapping For Thames River Phase 1, Outlet to Chatham, Within the Municipality of Chatham-Kent” to _____ for a total cost with taxes of \$_____;

And That the Chair and CAO/Secretary-Treasurer be authorized to sign a standard engineering contract for these services.

Strategic Alignment:

This report aligns with these Strategic Objectives in the LTVCA’s Watershed Based Resource Management Strategy:

1. Improving Watershed Health
3. Supporting Sustainable Growth
5. Protecting the Community from Natural Hazards
11. Strengthening and Increasing Collaboration with Community Stakeholders

Respectfully Submitted
Mark Peacock, P. Eng.
C.A.O. / Secretary Treasurer

Jason Wintermute
Manager, Watershed and Information Services

7. Other Business

8. Adjournment