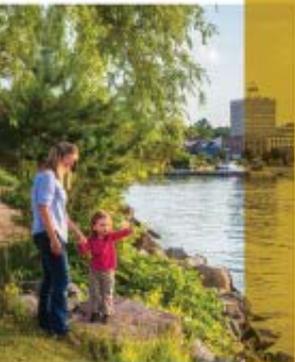


Lake Simcoe Region Conservation Authority Improving Storm Water Management January 14, 2019

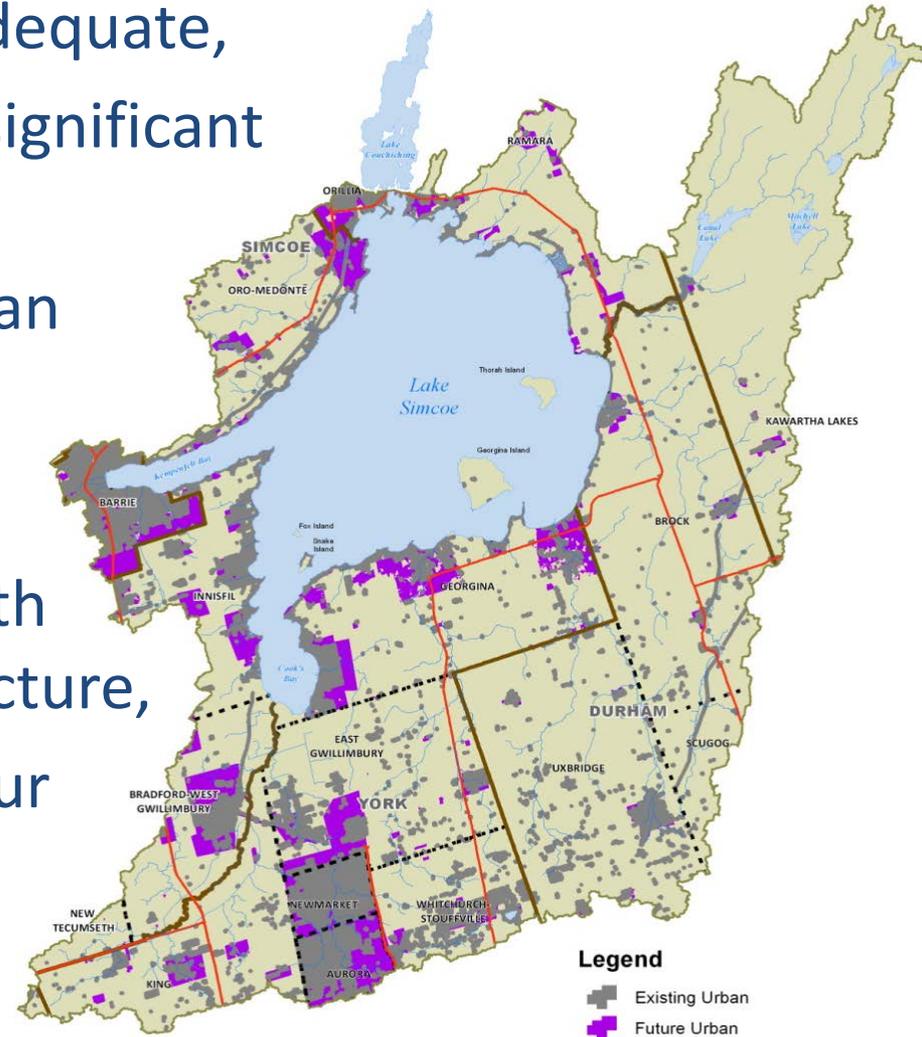


Lake Simcoe Region
conservation authority

Michael Walters
Chief Administrative Officer

Stormwater Management (SWM)

- Past/present SWM Policy is inadequate,
- The watershed is experiencing significant growth,
- Approx. 60% of the existing urban area is “uncontrolled”,
- Climate change significantly increases the risk associated with inadequate or missing infrastructure,
- It’s important that LSRCA and our watershed municipalities make SWM a priority to reduce risk and associated liability.



Changing the SWM Paradigm

Working with our municipal partners, BILD and the province, the LSRCRA has partnered to improve implementation of stormwater management within the Lake Simcoe watershed.

Mitigate
impacts of
new growth

Address
uncontrolled
urban areas

Monitor and
Report on
progress

Goals

- Improving water quality and quantity,
- Reducing the risk of flooding
- Building resilience to Climate Change

Accomplishments

- Launched new stormwater guidelines (July, 2016) to better control SWM from new development,
- Instituted mandatory pre-consultation and offered design charrettes to improve service and SWM design,
- Reduced SWM approval timelines by 6 to 9 months through a delegation of Environmental Compliance Approvals (ECA) to LSRCA,
- Developed the Lake Simcoe Phosphorus and Water Balance Offsetting programs to address inadequate and missing SWM infrastructure in existing urban areas,

While these accomplishments are significant more can be done to safeguard watershed residents!

Partnerships

Town of Newmarket has been a premier partner, not only in changing the SWM Paradigm, but also by leading implementation of LID and acknowledging Climate Change;

- Implemented (5) SWM demonstration projects to promote the benefits of Low Impact Design,
- First municipality to delegate SWM approvals to LSRCA in partnership with the province,
- Partnered with LSRCA to have a 'Climate Change Specialist' on Town staff which has evolved into a full time position,
- Initiated monitoring programs to demonstrate the benefits of LID measures (Western Creek) to reduce peak flows and flooding,
- Currently partners in a study that optimizes SWM works to achieve the best return on investment.

Projects: Ray Twinney Rec. Centre



Projects: Forest Glenn



A wooden pier extends from the foreground into a calm lake. The sky is filled with soft, grey clouds, suggesting an overcast day. The water is still, reflecting the light from the sky. In the distance, a thin line of trees marks the horizon.

Thank you

For more Information visit our website at
www.lsrca.on.ca