

Appendix C. Implementation Strategy for the First Phase of Pending Actions

("+" indicates that the action will result in further funding requirements based on the findings from the first phase)

Ranking	Action	Type of Project	Project Timeline	Objectives	Estimated Cost of Implementation	Implementation Plan
1	Collaborate with other agencies and organizations to further implement, present and share best management practices to reduce phosphorus and sediment runoff in the rural area.	Policy / Program	Short-term (1-3 years)	1. Pollution Reduction 3. Education and Outreach	\$450,000	Plan: Work with Conservation Authorities to complement their existing plans, to ensure the rural area is using best management practices. Financial: Estimated cost is expected to cover the entire action. Includes developing tools, creating communication materials and organizing outreach initiatives. Funds to support programs that incorporate best management practices within the rural watershed would also be included.
2	Strengthen the salt management plan by enhancing the water quality lens when applying salt across City infrastructure	Operations & Maintenance	Short-term (1-3 years)	1. Pollution Reduction 2. Infrastructure and Operational Improvements	\$150,000 +	Plan: Limit the amount of salt released through controlling / monitoring the salt spreader functions and quantifying and/or reducing quantity of material required and sand entering the stormwater system. Financial: Estimated cost is expected to cover a review of the salt management plan including identifying gaps and any associated recommendations.
3	Develop and implement a business case for additional staff for a stormwater monitoring and enforcement program.	Policy / Program	Short-term (1-3 years)	1. Pollution Reduction 2. Infrastructure and Operational Improvements	\$700,000	Plan: Develop a business case for Council's consideration and begin implementation, if approved with the additional staff and equipment for the resulting stormwater monitoring and enforcement program. Financial: Estimated cost is expected to cover the action, including the initial staffing and equipment needs (any staffing requests will be brought to Council for consideration, once developed).
4	Address opportunities to reduce phosphorus inputs within the Desjardins Canal.	Capital / Study	Short-term (1-3 years)	1. Pollution Reduction	\$250,000 +	Plan: Continue to identify non-point sources of phosphorus entering Desjardins Canal. Includes working with area partners to address possible phosphorus releasing from the existing sediment. Financial: Estimated cost to cover investigative work and subsequent recommendations. The cost for larger capital works will be requested separately, once developed.
5	Review the inventory of watercourse erosion sites and prioritize remedial action at appropriate locations.	Capital / Study	Short-term (1-3 years)	1. Pollution Reduction	\$750,000 +	Plan: Conduct detailed field assessments of identified watercourse erosion sites and produce rehabilitation designs for prioritized sites for contractor implementation. Financial: Estimated cost to cover investigative work, subsequent recommendations and some preliminary design work. The cost for larger capital works will be requested separately, once developed.

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6	Strengthen the snow management plan by enhancing the water quality lens when managing snow across the City.	Operations & Maintenance	Short-term (1-3 years)	1. Pollution Reduction 2. Infrastructure and Operational Improvements	\$2,000,000	<p>Plan: Evaluate and purchase additional snow removal equipment and/or contract services to more regularly remove snow from the urban areas and truck it from sidewalks, bike lanes and roadways to a snow disposal facility. Includes ensuring best management practices are followed for the existing Upper Ottawa location.</p> <p>Financial: Estimated cost is expected to cover a review of the snow management plan including identifying gaps and any associated recommendations with additional funds available for some equipment and/or contract services.</p>
7	Strengthen the catch basin program with the use of improved sediment capture technologies and/or increased cleaning frequencies in critical areas throughout the City.	Operations & Maintenance	Short-term (1-3 years)	1. Pollution Reduction 2. Infrastructure and Operational Improvements	\$1,200,000	<p>Plan: Coordinate next steps, if any with regards to catch basin sediment traps. Also includes reviewing the current level of service and evaluating increasing the frequency to reduce sediment entering the watercourse.</p> <p>Financial: Estimated cost is expected to cover a review of the catch basin program including identifying gaps and any associated recommendations with additional funds available for some equipment and/or contract services.</p>
8	Develop, review and/or improve policies to protect existing natural assets.	Policy / Program	Short-term (1-3 years)	4. Regulatory and Policy Development 5. Biodiversity and Habitat Enhancement	\$250,000	<p>Plan: Ensure that future land use changes considers the value of existing natural assets and their role in service delivery, as natural assets provide both operational services (such as stormwater management) to local governments and many co-benefits to the local population and the natural environment. Includes tracking the use of natural assets to support their protection and enhancement, particularly where they provide significant operational services and co-benefits.</p> <p>Financial: Estimated cost is expected to cover the entire action. Funding will be used to support staff time to develop policies, public engagement, reporting, and reviewing existing policies and identifying gaps to ensure alignment with best management practices.</p>
9	Develop, review and/or improve the street sweeping program in critical areas throughout the City.	Operations & Maintenance	Short-term (1-3 years)	1. Pollution Reduction 2. Infrastructure and Operational Improvements	\$750,000	<p>Plan: Evaluate and implement enhancement to the street sweeping program to increase street sweeping in identified urban areas of the City and purchase required equipment, if needed.</p> <p>Financial: Estimated cost is expected to cover a review of the street sweeping program including identifying gaps and any associated recommendations with additional funds available for some equipment and/or contract services.</p>

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10	Install low impact development projects in priority areas.	Capital / Study	Short-term (1-3 years)	1. Pollution Reduction 2. Infrastructure and Operational Improvements	\$1,000,000 +	<p>Plan: Investigate areas within the City that are most susceptible to flooding and/or that are contributing to combined sewer overflows. Once identified, work to design and implement Low Impact Development projects that include operation and maintenance requirements.</p> <p>Financial: Estimated cost is expected to cover the action with additional funds available for some initial Low Impact Development projects.</p>