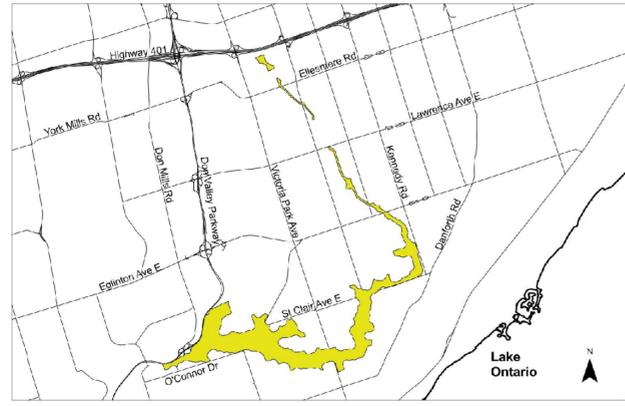


Taylor Massey Creek Sub-Watershed Master Plan Update

Watershed and Watercourse Enhancement Opportunities



Key Map

- Planned Stream Restoration Projects (1-5 years horizon)
- - - Sanitary Trunk Sewer
- * Stormwater Management Facility
- Crossings - Replaced
- Crossings - Undersized
- TRCA Floodline
- TRCA Floodplain
- Cemetery
- Golf Course
- Parks
- Landfill Sites
- Creeks
- ESA Boundary
- Taylor Massey Sub-Watershed Study Area
- * Trunk sewer lining (2020 - 2025)
- * Trunk manhole upgrades (2017 - 2020)
- Proposed Enhancement Sites

Geomorphic Issues:

- * Pedestrian bridge / pad / weir repair
- Failing gabions / bank protection required
- ◆ Exposed pipe / culvert / sanitary sewer
- + Sand / sediment deposit or vegetation in creek
- Deteriorated retaining wall / bank erosion
- ★ Debris / log jam
- ▼ Manhole / deteriorated outfall
- ▲ Other

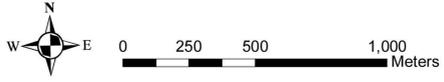


Figure C.6
July 20, 2017

Preliminary High Level Management Considerations

- Address water quality issues at a subwatershed scale
- Evaluate potential sites for capacity storage, attenuation and water quality enhancements
- Assess bank stability issues within the lower creek system in comprehensive manner identifying locations where replacement armoring is required and areas where 'soft engineering' techniques are employed
- Identify multiple benefits of planned infrastructure works on the geomorphic system with placement or upgrades to trails, access points and facilities

Area Specific Management Recommendations

- 1 Area wide creek bank stabilization assessment; focus on biotechnical stabilization techniques
- 2 Potential stormwater management base flow augmentation facility
- 3 Study leachate discharge from former landfill sites
- 4 Trunk sewer lining planned works for 2020 - 2025
- 5 Address water quality issues i.e. garbage and provide education
- 6 Shafts for future planned combined sewer outfall work
- 7 Study and design comprehensive bank stabilization upgrade works; current sewer lining upgrade works in progress
- 8 Address major bank failure/ erosion concern on outer bank of creek at hydro tower
- 9 Study long-term safety and access issues in flood vulnerable area
- 10 Assess access and trail expansion in light of geomorphic conditions
- 11 Address future maintenance requirements of storm pond/ wetland

