

Municipal Natural Assets Initiative – Cohort 2 National Project – Select Findings

Location	Natural Asset Intervention	Assessed Benefits to the Community	\$ Value of the Benefit
Courtenay, British Columbia	<ul style="list-style-type: none"> Widening and naturalizing 1,292 metres of the Courtenay River riverbank 	Flood attenuation for 1-in-200-year flood event	\$2.4 million In flood damage reduction to properties downstream
District of Sparwood, British Columbia	<ul style="list-style-type: none"> Protecting a 150 m² natural pond 	Maintaining current water quality benefits the pond provides	\$200,070 Based on cost of an engineered alternative, capable of treating 80% of pollutants (<u>note</u> : pond treats 90-95% of pollutants or total suspended solids)
Florenceville-Bristol, New Brunswick	<ul style="list-style-type: none"> Protecting 182 hectares of forested area along the St. John River 	Flood and stormwater attenuation benefit for 1-in-100 year storm	\$3.5 million Based on cost of replacing forested area with stormwater management ponds (note: the value increases to \$4.1 million if climate change is factored in)
Riverside-Albert, New Brunswick	<ul style="list-style-type: none"> Protecting ~203 ha of Arabian Vault watershed 	Maintaining current drinking water supply the watershed provides	\$0.8 - \$1.2 million Based on cost to construct a groundwater source system (i.e. wells)
Riverview, New Brunswick	<ul style="list-style-type: none"> Protecting four wetlands, covering 13,791m² area in Mill Creek Watershed 	Flood attenuation for 1-in-100 year flood event	\$1.4 million Based on cost of replacing wetlands with stormwater management ponds or constructed wetlands. (note: the value increases to 2.3 million if climate change is factored in)
City of Oshawa, Ontario	<ul style="list-style-type: none"> Protecting 7 km of natural area in the Oshawa Creek Watershed 	Maintaining the current stormwater conveyance benefit that the area provides	\$18.9 million Based on cost of constructing an open channel with similar flow rates to Oshawa Creek
	<ul style="list-style-type: none"> Protecting entire 50 km of the Oshawa Creek Watershed 	Maintaining the current stormwater conveyance benefit that the watershed provides	\$393 - \$414 million Based on capital cost of full channel realignment project, including land purchase, construction costs and contingency.

**under conditions of more severe storms occurring, driven by climate change*