

Environmental Effects Mitigation – Sherman Inlet Shoreline Restoration

This table highlights mitigation measures specific to this project, including additional measures as applicable.

The successful contractor is required to provide an Environmental Protection Plan.

Environmental Effects & Associated Effective and Established Mitigation Measures - Construction

Environmental Effect - Construction	Effective and Established Mitigation Measures
Natural Features:	This project will increase/enhance habitat by adding a wetland to the edge of Sherman Inlet
In-water work:	<p>Refer to Measures to Avoid Harm:</p> <p>http://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures/measures-mesures-eng.html</p> <ul style="list-style-type: none"> The in-water work consists of driving sheet piles at the nearshore in order to minimize any disturbance to the water habitat and sediment. The fisheries window from April 1 to July 1
On land work, which may release a polluting substance into the water:	<ul style="list-style-type: none"> Develop and implement an Erosion and Sediment Control Plan for the site that minimizes risk of sedimentation of the waterbody during all phases of the project. <ul style="list-style-type: none"> For the excavation component, <i>the temporary sheet pile wall will provide the sediment control structure during construction.</i> For the stockpiling excess material, straw bales around stockpiles are required. Ensure that machinery arrives on site in a clean condition and is maintained free of fluid leaks. Wash, refuel and service machinery and store fuel and other materials for the machinery in such a way as to prevent any deleterious substances from entering the water.
Soil quality exceeds the T3 ICC and CCME Ind. SCSs for several metals, PAHs and pH.	<ul style="list-style-type: none"> Excess soil will be supervised by HPA and reused or transported to off-site disposal, in compliance with applicable legislation.
On land work, which may release a polluting substance into the air, such as track out/road dust from soil handling:	<ul style="list-style-type: none"> Mitigation of truck track out (which is not to extend beyond construction site) by methods such as street scraping and sweeping, and sealed truck tailgates
Clearing of vegetation	<ul style="list-style-type: none"> Some scrub vegetation / small trees will be removed at the excavation site in January, not during bird nesting season.
Release a polluting substance into the air = noise and vibration:	<ul style="list-style-type: none"> The City of Hamilton's Noise By-Law No. 11-285 is in effect. This includes no noise from construction that is clearly audible at a

	point of reception between 10 p.m. of one day and 7 a.m. of the next day.
Release a polluting substance into the land = excess soils:	<ul style="list-style-type: none">• Soil analysis was conducted by Peto MacCallum. The report will be included in the Tender Documents for consideration.
Affect Worker Health & Safety due to contaminated soil:	<ul style="list-style-type: none">• Worker's safety is protected by standard mitigation measures