

PORT

What is an Environmental Management Plan?

The Port Lands Flood Protection project team has developed a series of plans to ensure we minimize potential impacts to the environment during construction. These potential impacts were noted in the [Don Mouth Naturalization and Port Lands Flood Protection Environmental Assessment](#). As construction progresses, these plans may be modified to reflect new information or challenges encountered on the construction site.

What is a Groundwater Management Plan?

As part of Port Land Flood Protection, we'll be digging a new river valley and spillway. Much of the soil in the Port Lands has been contaminated by various industrial activities. When we excavate, we will be removing groundwater to keep our work area dry. This water needs to be treated and returned to either Lake Ontario or the local sewer system. Quality requirements for discharging to Lake Ontario are set by the Provincial Water Quality Objectives, and quality requirements for discharging into the sewer system are set by a City of Toronto bylaw. This plan ensures we manage that water according to those regulatory requirements.

This plan outlines:

- How we manage groundwater that emerges during excavation
- How we monitor groundwater during and after construction



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How does the plan work?

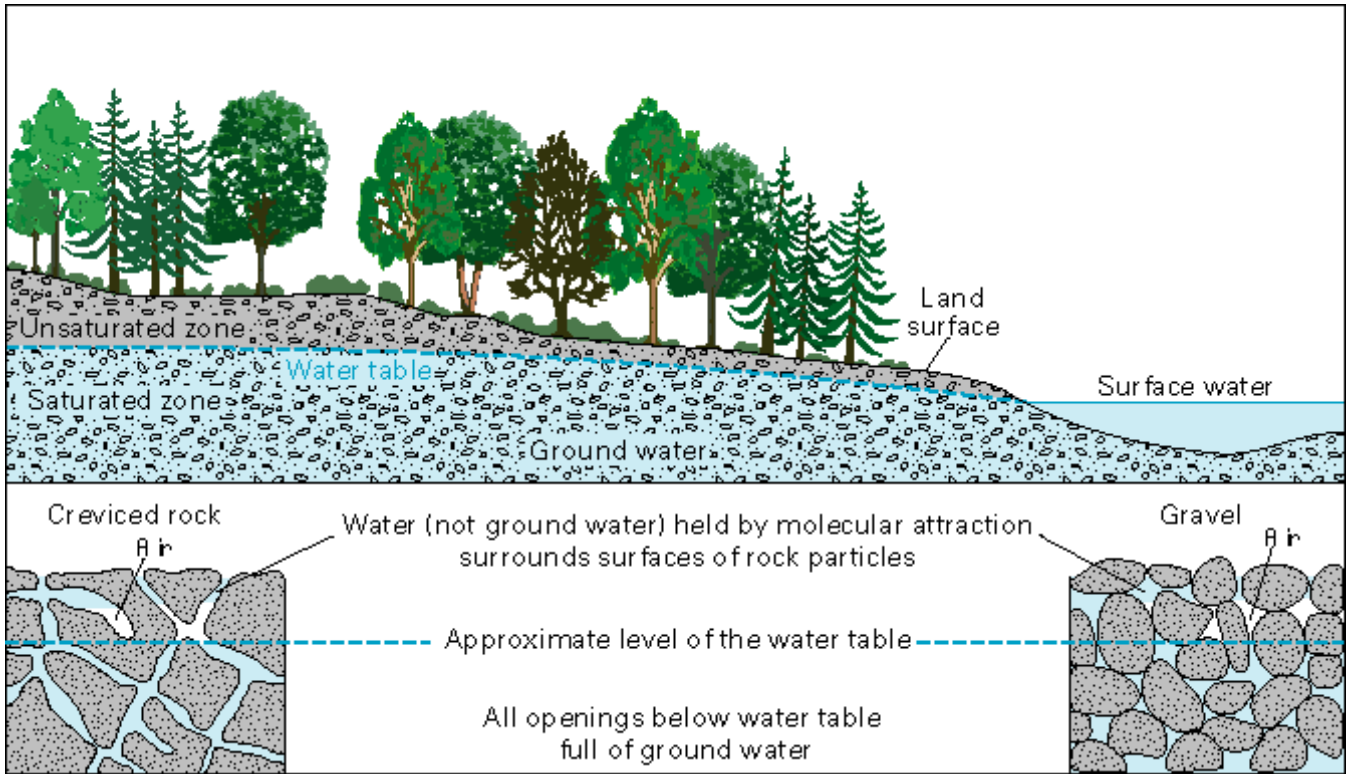


Image source: USGS Water Science School

What is Groundwater?



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Before construction, we will:

- Test the existing groundwater to establish baseline conditions.
- Develop a quality assurance and quality control plan.



During construction, we will:

- Remove water (or dewater) as we excavate in order to keep the new river valley, roads, utility trenches and infrastructure dry while we work.
- Treat the groundwater we remove to ensure it meets applicable criteria before releasing it to municipal sewers or Lake Ontario.
- Monitor and sample groundwater as required to confirm it meets applicable criteria.



After construction, we will:

- Allow the Don River to flow through the new river valley into Lake Ontario.
- Continue to monitor groundwater in and around the construction area to ensure our work isn't negatively impacting groundwater.

What will we do if our tests show an impact?

- If monitoring shows an impact, then we will take action to quickly identify and control the impact source and manage its influence on nearby surface waters.

Questions?

- Access our online form at tiny.cc/PLFP or email plfp@ellisdon.com.

