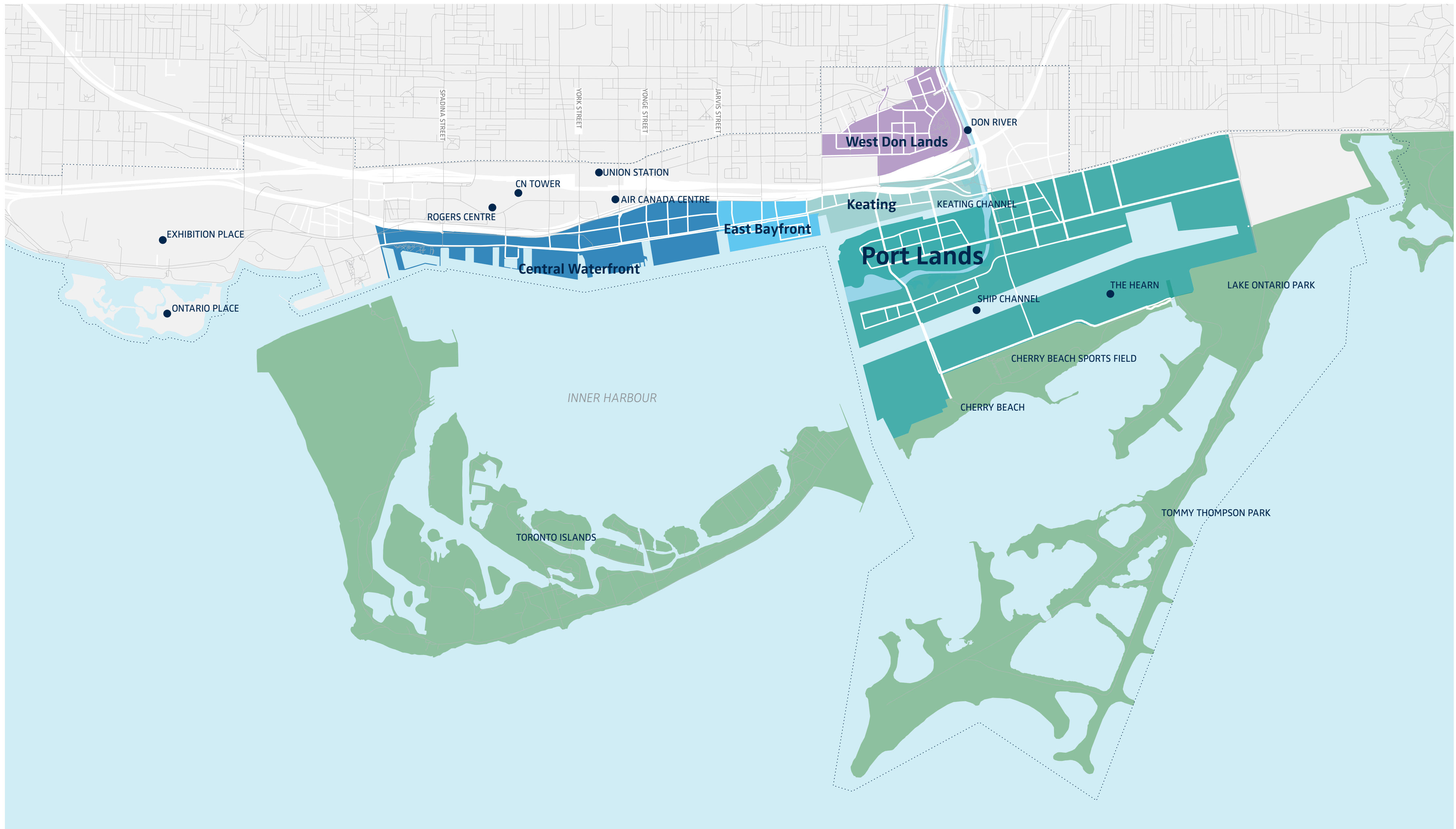


# PORTLANDS FLOOD PROTECTION

## AREA CONTEXT



## WHAT HAS HAPPENED SO FAR

**2006**

Don Mouth Naturalization and Port Lands Flood Protection Project Environmental Assessment (DMNP EA) began

**2011**

Port Lands Acceleration Initiative

**2015**

DMNP EA and Lower Don Lands EA approved

**2017**

\$1.25 billion funding for Port Lands Flood Protection

Port Lands Framework Plan and Villiers Island Precinct Plan approved

**2007**

International design competition

**2012**

Port Lands Framework Plan and Villiers Island Precinct Plan began

**2016**

Due Diligence report for Port Lands Flood Protection completed

# PORTLANDS FLOOD PROTECTION

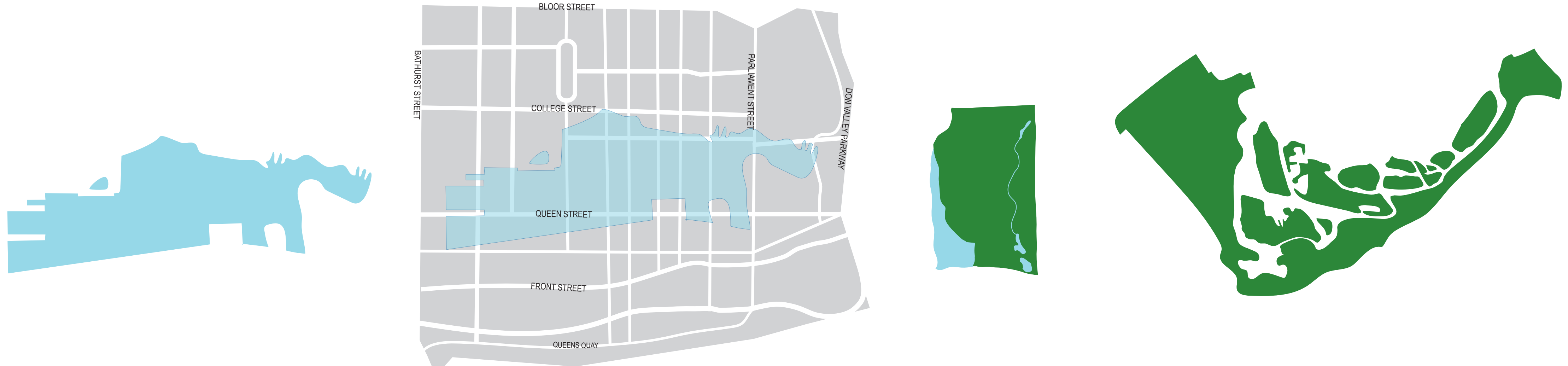
## WHY FLOOD PROTECTION?



PHASE I
  PHASE II
  WEST DON LANDS FLOOD PROTECTION LANDFORM

We're taking action to prevent 290 hectares (715 acres) of Toronto's southeastern downtown from flooding. Right now, in an extreme weather event, floodwaters from the Don River would overwhelm portions of the Port Lands, South Riverdale, Leslieville and First Gulf's East Harbour development site.

## SCALE COMPARISONS



Area currently at risk of flooding that will be protected after the completion of this project (290 ha)

Downtown Toronto (1,445 ha)

High Park, Toronto (165 ha)

Toronto Islands (332 ha)

## MORE WATERFRONT FOR EVERYONE

Flood protection will allow the Port Lands to become a place where our city can grow and evolve to better meet the changing needs of the people who live here.



Villiers Island



East Harbour



Keating Channel

# PORTLANDS FLOOD PROTECTION

## PROJECT COMPONENTS

This unprecedented project will create two new outlets for the Don River – a naturalized river channel and a green spillway – that will help safely convey flood waters into Lake Ontario. The new Villiers Island will be skirted with parks and public spaces. We will also build new and modified municipal infrastructure, such as roads, bridges, and storm and sanitary sewers.

This project was the subject of the Don Mouth Naturalization Project Environmental Assessment (EA) and Lower Don Lands Master Plan Class EA, and was coordinated with other planning initiatives, including the Villiers Island Precinct Plan and Port Lands Planning Framework, which were adopted by Toronto City Council in 2017.



- |   |  |   |  |
|---|--|---|--|
| <b>A</b> Cherry Street Stormwater and Lakefilling | <b>I</b> Sediment and Debris Management Area           | <b>P</b> Cherry Street Bridge North (incl. BRT)       | Port Lands Flood Protection and Enabling Infrastructure Boundary |
| <b>B</b> Polson Slip Naturalization               | <b>J</b> Flow Control Weirs                            | <b>Q</b> Cherry Street Bridge South (vehicular only)  | Parks  |
| <b>C</b> Flood Protection: River Valley           | <b>K</b> Promontory Park                               | <b>R</b> Commissioners Street                         | Roads and Municipal Infrastructure                               |
| <b>D</b> Don Greenway (Spillway & Wetland)        | <b>L</b> Hydro One Integration                         | <b>S</b> Commissioners Street Bridge (vehicular only) | Bridges & Structures   |
| <b>E</b> Site Wide Municipal Infrastructure       | <b>M</b> Eastern Avenue Flood Protection               | <b>T</b> Keating Channel Modifications                | Earthworks/Flood Protection                                      |
| <b>F</b> Don Roadway                              | <b>N</b> Lake Shore Road and Rail Bridge Modifications | <b>U</b> Villiers Island Grading                      |  |
| <b>G</b> Don Roadway Valley Wall Feature          | <b>O</b> Cherry Street Re-alignment (incl. BRT)        | <b>V</b> River Park                                   |  |
| <b>H</b> East Harbour Flood Protection Land Form  |  |   |  |

# PORTLANDS FLOOD PROTECTION

## PUBLIC CONSULTATION - WHAT WE'VE HEARD SO FAR

We've been working with our partners for a decade to gather feedback on parks and green spaces in the Port Lands.



### WATER

- Vibrancy/animation, especially along the water's edge
- Water activities
- Ensure many access points/connections for people across river and channels
- Focus on sustainability / water as a resource



### NATURE

- Maximize naturalization and ensure connections for wildlife



### SPECIAL QUALITIES

- Create views of the Inner Harbour and city
- Consider a mix of hardscaping (e.g. public squares, plazas) and natural green space
- Preserve local heritage and culture through adaptive reuse, art



### PROGRAMMING

- Create recreational opportunities



## “WHAT MAKES A GREAT PARK” SURVEY

What are people missing in park experiences?

- Engage in environmental stewardship (tree planting, gardening)
- Meet my neighbours / socialize in my community

What influences you to visit a new park?

- Ease of getting there
- To experience a new place
- Special features or amenities

Other experiences or programming

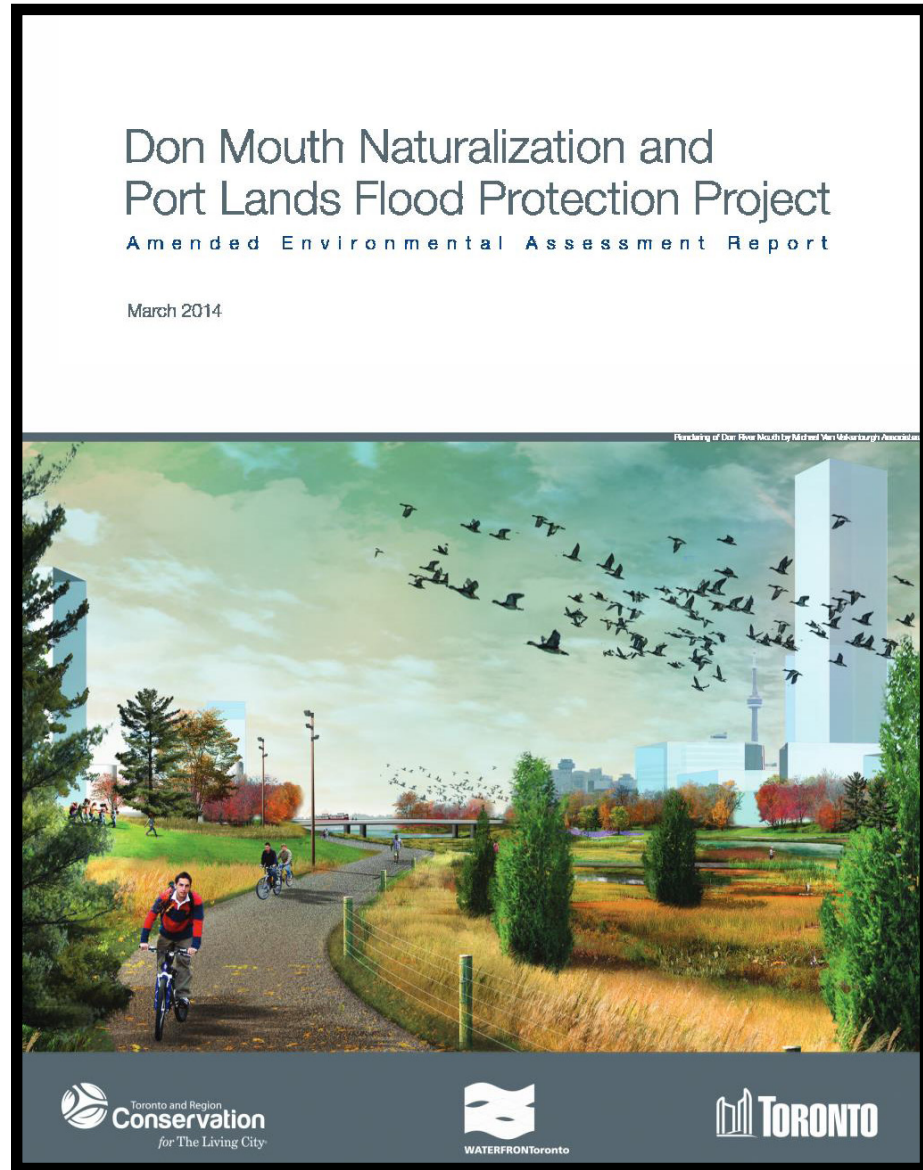
- Farmer's markets
- Nature or wildlife walks
- Music
- Places to run or walk
- Flexible, open areas



# PORTLANDS FLOOD PROTECTION

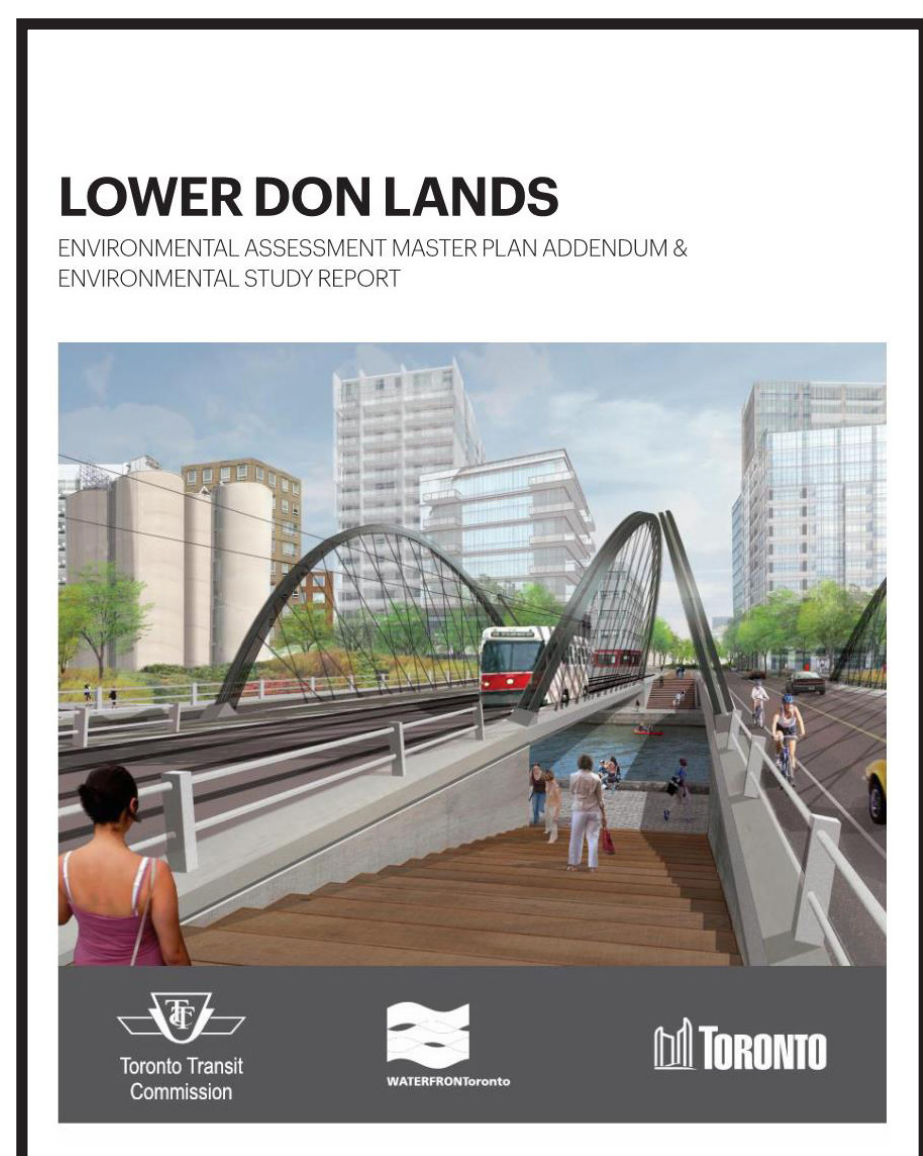
## WHAT ARE THE GUIDING PLANNING DOCUMENTS?

As we design the parks, naturalized spaces and public realm for Port Lands Flood Protection, we're following criterion set by environmental assessments and other planning initiatives. Here are the key studies that set these design parameters.



### 1. Don Mouth Naturalization and Port Lands Flood Protection Project - Environmental Assessment

- Establish a plan to transform the existing mouth of the Don River – including the Keating Channel – into a healthier, more naturalized river outlet to the Toronto Inner Harbour and Lake Ontario
- Remove the risk of flooding to 290 hectares of land
- Consider the urban environment



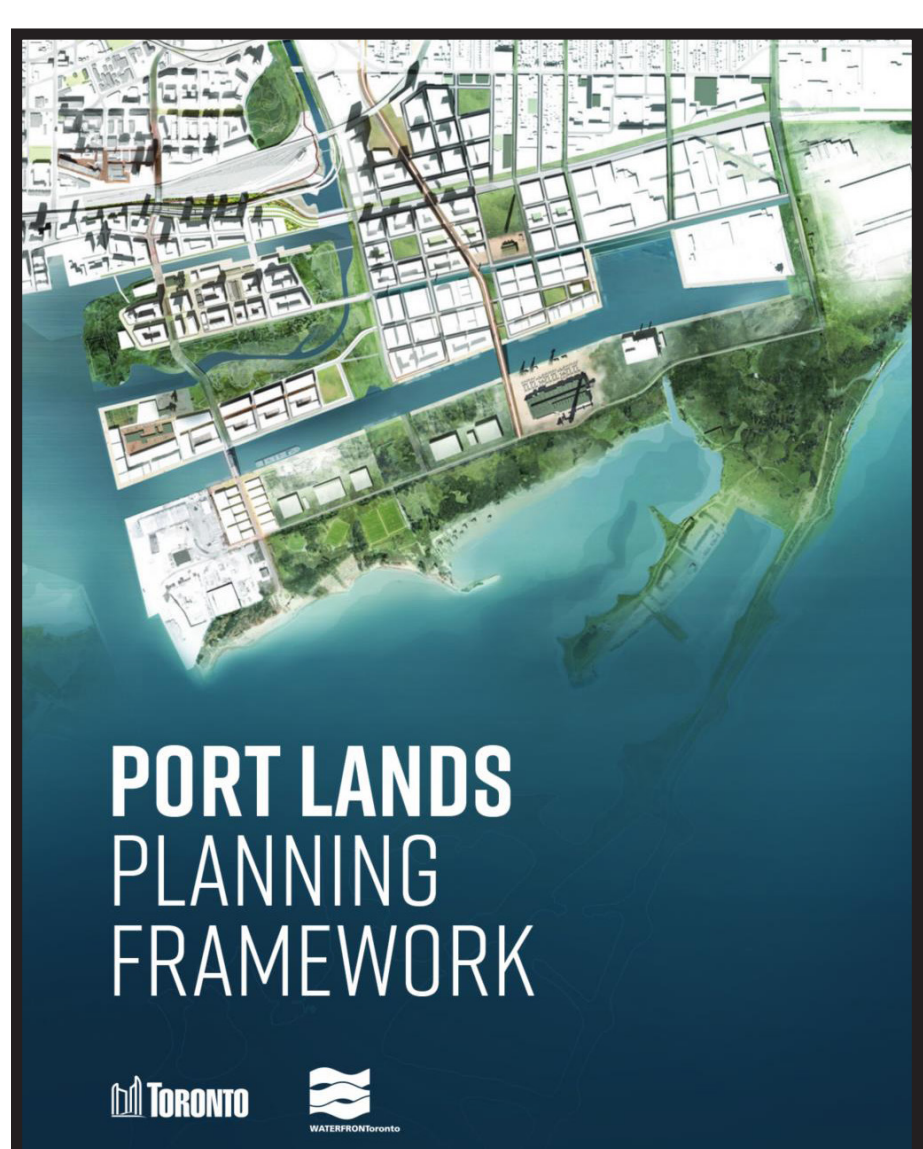
### 2. Lower Don Lands Environmental Assessment Master Plan Addendum & Environmental Study Report

- Update the Municipal Class Environmental Assessment to align with a master plan for transportation, water/wastewater and stormwater management in the Lower Don Lands
- The Lower Don Lands is a 125-hectare area that runs from the Parliament Street Slip east to the Don Roadway and from the rail corridor south to the Ship Channel in the Port Lands.



### 3. Villiers Island Precinct Plan

- Villiers Island will be created by the 1,000-metre river valley we're creating through the Port Lands.
- Establish guidelines for buildings, local streets and blocks and connections between parks and open spaces
- Ensure Villiers Island becomes a complete community by recommending locations for community services and facilities, public art, transportation, affordable housing, office/retail and sustainable infrastructure



### 4. Port Lands Framework Plan

- Create one vision to guide the development and revitalization of the Port Lands over the next 50+ years
- Provide direction on land use, parks and open spaces, cultural and heritage resources, community infrastructure, movement and access, buildings, arts and culture, innovation and sustainability, biodiversity and green infrastructure