Three Waterfront Designs: Toronto, Sandusky, & Detroit

Panel: Creating Healthier Communities Through Waterfront Access
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Tim Dekker, LimnoTech
Elizabeth Silver, Michael Van Valkenburgh Associates
**Engineering Perspective**

Tim Dekker  
LimnoTech

- Environmental & Water Resources focus
- Manage legacy environmental problems
- Control CSO discharges
- Develop storm water management plans
- Limit watershed contaminant loads
- Characterize and remediate contaminated sediments
- Manage AOC characterization & cleanup

**Design Perspective**

Liz Silver  
Michael Van Valkenburgh Associates

- Landscape Architecture & Planning focus
- Develop plans for large public parks, waterfronts, university campuses, intimate gardens, and private landscapes
- Shape the creation and restoration of livable urban fabric
- Create memorable landscapes that become a part of daily life
Port Lands Flood Protection
Toronto, ON (2007-2023)

Governance: Waterfront Toronto
Budget: $1.25+ Billion CAD
Capital Funding: Federal / Provincial / Municipal
Management: TRCA / PF&R
Land Mapping: City Park / Private / Waterway
Size: 235 Acres Parks, Floodway, and Enabling Infrastructure
(Opening 715 Acres for Development)
Water is an incredible force and any successful design must work with it.
Respond to the Don River’s existing conditions
Achieve flood protection through a three-tier system and allow the new river to structure the urban form.
Weir Configuration at Lakeshore Bridge Crossing