OVERVIEW
The City of Kingston Waterfront Master Plan (WFMP) is an ambitious and detailed strategy for implementing one hundred and thirty-eight (138) waterfront projects. These projects aim to improve access to the water, make connections along the waterfront and provide improvements and amenities to these spaces.

Vital to the waterfront project was a matrix that prioritizes each of these 138 projects based on an extensive criteria that falls into one of two categories: Technical Analysis, and Public Opinion.

Technical Analysis category evaluates:
- City Wide Benefit
- Alignment with Plan’s Mandate
- Related Opportunities and Constraints

Public Opinion category evaluates:
- Community Preference
- Reflection of Community Generated Themes

Richardson Beach was ranked the top project.

Your input is valuable. To date, there have been two public meetings, one First Nations workshop and talking circle meeting, and several stakeholder sessions. Community feedback has been further collected through a survey and email input. The main programming the Kingston community has identified as desirable at Richardson Beach include:
- Swimming and Water Access for All Ages
- Windsurfing and Small Water Craft
- Walking and Sitting/Sunning
- Other activities/features such as running, biking, heritage commemorations, enhancing tourism

Overall, there is a strong desire for Richardson Beach to become a multi-use space; one challenge is to provide for these usages in ways and “zones” that prevent usage conflicts. One technical constraint is that the site’s slopes are not flat enough to accommodate a sand beach. The dynamic nature of the shoreline also poses some technical challenges as the new design must accommodate a currently 0.5m difference in year-round water levels, as well as anticipate high water fluctuations over decades to come.
### RICHARDSON BEACH | BACKGROUND

**improvements**

### GUIDING PRINCIPLES
- Improved **access to the beach and water**
- Provide better **lookout points** from existing vistas
- **Shoreline improvements** and protection
- Better integrate the **landscape with the building**
- Provide for **overlook seating and plaza space**

*Scope of this project's work does not include building modifications*

### THROUGH THE YEARS

<table>
<thead>
<tr>
<th>Year</th>
<th>Image</th>
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<tbody>
<tr>
<td>1910</td>
<td><img src="image1.jpg" alt="1910 Image" /></td>
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<tr>
<td>1952</td>
<td><img src="image2.jpg" alt="1952 Image" /></td>
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<tr>
<td>1970</td>
<td><img src="image3.jpg" alt="1970 Image" /></td>
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### PROJECT SCHEDULE

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<thead>
<tr>
<th>Stage</th>
<th>Details</th>
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<tr>
<td><strong>PHASE 1</strong></td>
<td><strong>INVENTORY AND ANALYSIS</strong></td>
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<td><strong>PHASE 1</strong></td>
<td><strong>SCHEMATIC DESIGN</strong></td>
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<td><strong>PHASE 1</strong></td>
<td><strong>DETAILED DESIGN</strong></td>
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<tr>
<td><strong>PHASE 2</strong></td>
<td><strong>PROCUREMENT DOCUMENTS AND PERMIT COORDINATION</strong></td>
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<tr>
<td><strong>PHASE 2</strong></td>
<td><strong>IMPLEMENTATION</strong></td>
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### KEY DATES / TASKS

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<th>Event</th>
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<td><strong>PROJECT STARTUP</strong></td>
<td>OCTOBER 2017</td>
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<tr>
<td><strong>PUBLIC MEETING #1</strong></td>
<td>OCTOBER 24, 2017</td>
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<tr>
<td><strong>ONLINE SURVEY AND EMAIL INPUT</strong></td>
<td>ENDED OCTOBER 30, 2017</td>
</tr>
<tr>
<td><strong>FIRST NATIONS TALKING CIRCLE</strong></td>
<td>FEBRUARY 2, 2017</td>
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<tr>
<td><strong>PUBLIC MEETING #2</strong></td>
<td>FEBRUARY 7, 2018</td>
</tr>
<tr>
<td><strong>ONLINE SURVEY AND EMAIL INPUT</strong></td>
<td>FEBRUARY 17, 2018 TO PRESENT</td>
</tr>
<tr>
<td><strong>PUBLIC MEETING #3</strong></td>
<td>MAY 23, 2018</td>
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<tr>
<td><strong>WEB UPDATE AND GENERAL COMMENTS WELCOME</strong></td>
<td>JUNE 2018</td>
</tr>
<tr>
<td><strong>FINALIZE DETAILED DESIGN AND COST ESTIMATE</strong></td>
<td>JUNE TO JULY 2018</td>
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<tr>
<td><strong>PREPARATION OF CONSTRUCTION DOCUMENTS</strong></td>
<td>JULY TO AUGUST 2018</td>
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<tr>
<td><strong>PERMITS AND APPROVALS FROM TECHNICAL AGENCIES</strong></td>
<td>SEPTEMBER TO DECEMBER 2018</td>
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<tr>
<td><strong>PROCUREMENT READY</strong></td>
<td>SPRING 2019</td>
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<td><strong>CONSTRUCTION BEGINS</strong></td>
<td>2019 TO 2020 TDB</td>
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<tr>
<td><strong>SUBJECT TO CAPITAL BUDGET APPROVAL</strong></td>
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RICHARDSON BEACH | EXISTING CONDITIONS improvements

EAST SHORELINE - GRAD

WEST SHORELINE - ABRUPT WITH HIGH BANK
**WATER LEVELS**

Water Levels at Richardson Beach
- High - 75.5
- Year-round Average - 75.0
- July Typical - 75.5
- Low - 74.5

**COBBLE MOVEMENT**

Larger waves remove smaller stones and leave larger ones. Natural cobble beaches are contingent on: a supply of cobble material of suitable size and shape, wave and water level characteristics, and shoreline orientation and slope. They are partially dependent on a lateral restraining structure. To modify a natural beach, one or more of the above factors must change.
SIGNIFICANCE OF WATER
Stakeholder consultation and historical findings have revealed that water access at Richardson Beach is highly valued.

Swimmers have enjoyed Richardson Beach since the early 1900s. Today, there is a strong desire for swimming access for all ages and abilities, necessitating accessibility features to aid transition into the water. Special attention must be paid to the material of entry platforms as concrete encourages algae growth and can be slippery from ice.

First Nations (local Anishinaabe and Haundenosauenee) have identified that it is important to access the water at the foot of Barrie Street for Full Moon ceremonies. They also desire a practical fire pit, for inclusive use, located close by. Land marking has been noted as very important to reconcile the present with the past.

Windsurfers do not like the eastern outlook projection as pictured in the master plan sketch - (see first panel) as it would create dead water space behind the “groin” and no wind for launching sails. For this group, ideal water access is a gradual, grassy, shaded entry in front of the parking lot on the eastern side of the site.

WATER ACCESS

ACCESSIBILITY

CELEBRATION

RECREATION
Larger waves remove smaller stones and leave larger ones. Natural cobble beaches are contingent on: a supply of cobble material of suitable size and shape, wave and water level characteristics, and shoreline orientation and slope. They are partially dependent on a lateral restraining structure. To modify a natural beach, one or more of the above factors must change.

COMMUNITY FEEDBACK
Below concepts are from Feb 2018 Public Meeting

Which option do you prefer?
Online results

Option 1

Option 2
ACCESSIBLE ROUTES

KEEP EXISTING TREES OPTION

TREE REMOVALS

Reasons for removals are:
- The trees may not survive the impacts of construction
- Poplars are weak-wooded, short-lived trees
- Removing the maples would enable a continuous stretch of lounging space on both sides of the bath house staircase
- Removing the poplar would open up sightlines

Maples in front of the bath house

Poplar on the west side
**RICHARDSON BEACH | 3D MODELING**

**improvements**

**CONCEPT PERSPECTIVES**

View from **west**

View from **east**

**AS SEEN FROM THE WATER**

**SITE AT VARIOUS WATER LEVELS**

**HIGH**
75.5m
- **June**

**MID**
75.0m
- **July + August**

**LOW**
74.5m
- **Fall**
RICHARDSON BEACH | PRECEDENTS AND DETAILS
improvements

WATER ACCESS

A PLACE TO SIT

lounger schematic