

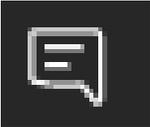


JEFFERSON, JORDAN AND JAYFIELD PARK REVITALIZATION PUBLIC MEETING

January 19, 2021



WELCOME AND LOGISTICS

- All participants will be muted.
- Please ask questions in the Chat Box  .
- Questions will be answered at the end of the presentation.
- Please refrain from discussions in the Chat Box until the presentation is complete.
- This meeting will be recorded and may be posted publicly on the City Website.

AGENDA

1. Meeting Logistics
2. TRCA and City Introductions
3. Land Acknowledgement and Opening Remarks
 - Councillor Williams & Councillor Fortini
4. City and TRCA staff Presentation (20mins)
 - Context and Background (City)
 - Channel and Park Enhancements (TRCA)
5. Q&A Period
6. Wrap Up



OPENING REMARKS

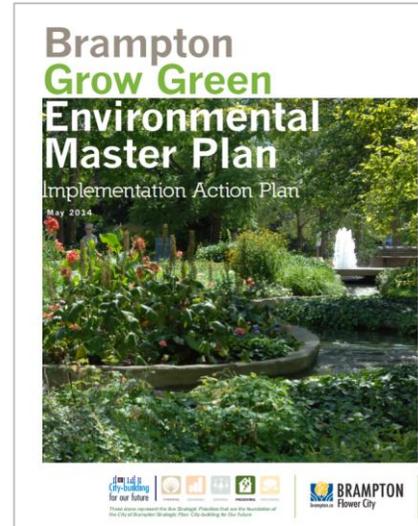
JEFFERSON, JORDAN AND JAYFIELD PARKS



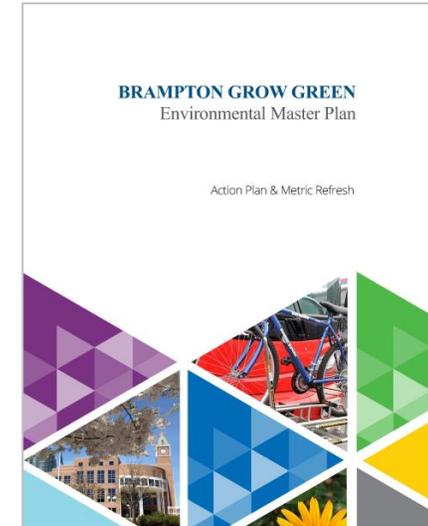
GREEN FRAMEWORK



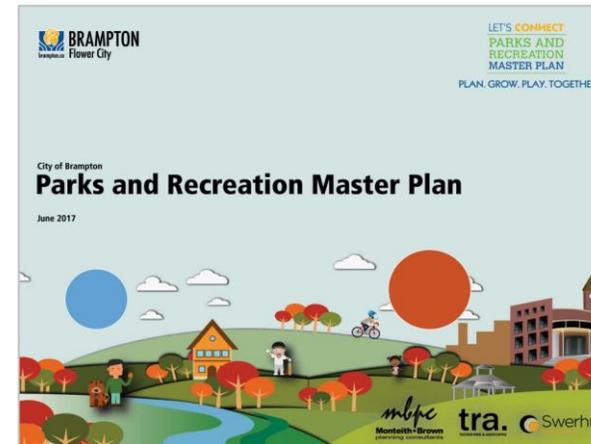
Brampton 2040 Vision



Environmental Master Plan (EMP), 2014

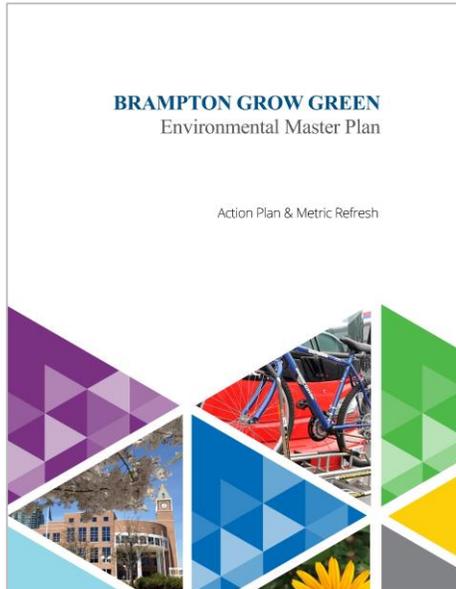


EMP Refresh, 2021



Parks and Recreation Master Plan, 2017

ENVIRONMENTAL MASTER PLAN (EMP)



- Environmental Performance
- Natural Heritage Environmental Management Plan
- Natural Heritage Restoration Program
- Eco Park Strategy
- 2018 Channel Rehabilitation Study

PEOPLE



Invest in people to create a healthy, livable and safe community

WATER



Protect and respect water as a non-renewable, critical resource

LAND



Manage land to sustain the natural environment

CHANNEL AND PARK REVITALIZATION

- TRCA's 10 year Strategic Plan for Urban Stream Restoration in City of Brampton (2018)



- Eco Park Strategy Alignment



CHANNEL AND PARK ENHANCEMENTS

- Land Survey
- Planning and Design
- Permits and Approvals
- Concrete Channel and Tree Removal
- Channel Restoration
- Tree Planting
- Park Amenities Installation



Jefferson Park Planting Plan - 1/2

Jefferson, Jordan, and Jayfield
Jordan Blvd and Jayfield Rd
Brampton - ECMM

Legend

- Wetland
- Riparian Plantings
- Park Plantings

Notes:
Total Riparian Area: 26,976 (m²)
Species List is for entire project

Plant List:

| # | Deciduous Trees | COV | SM | # | Coniferous Trees | COV | SM |
|-----|-----------------|-----|----|-----|------------------|-----|----|
| 50 | Black Birch | -3 | M | 200 | Autumnalis | -4 | M |
| 100 | Bitter Maple | -3 | MM | 200 | Black Birch | -4 | M |
| 200 | Spicebush | -2 | M | 200 | Black Spruce | -4 | M |
| 110 | Thornling Ash | 0 | M | 100 | White Pine | -4 | M |
| 100 | Bur Oak | 1 | M | 100 | White Pine | -4 | M |
| 80 | Maple | 1 | M | 100 | White Pine | -4 | M |
| 110 | Paper Birch | 2 | M | 100 | White Pine | -4 | M |
| 80 | Basswood | 3 | M | 100 | White Pine | -4 | M |
| 200 | Black Cherry | 2 | M | 100 | White Pine | -4 | M |
| 80 | Black Walnut | 3 | M | 100 | White Pine | -4 | M |
| 200 | Maple | 2 | M | 100 | White Pine | -4 | M |
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Notes:
Blowing stems: 12000
COV = Coefficient of Wetness
SM = Soil Moisture
W = Wet
M = Moist
I = Intermediate/Moist
D = Dry

Date: 1/6/2021
Created by: Restoration Projects
Orthophoto: First Base Solutions (2018)
Property Boundary: MNR (2019)



Jefferson Park Planting Plan - 2/2

Jefferson, Jordan, and Jayfield
Jordan Blvd and Jayfield Rd
Brampton - ECMM

Legend

- Wetland
- Riparian Plantings
- Park Plantings

Notes:
Total Riparian Area: 27,435 (m²)
Plant Species List for entire project

Plant List:

| # | Deciduous Trees | COV | SM | # | Coniferous Trees | COV | SM |
|-----|-----------------|-----|----|-----|------------------|-----|----|
| 50 | Black Birch | -3 | M | 200 | Autumnalis | -4 | M |
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Notes:
Blowing Stems: 12000
COV = Coefficient of Wetness
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Date: 1/6/2021
Created by: Restoration Projects
Orthophoto: First Base Solutions (2018)
Property Boundary: MNR (2019)

TREE REMOVALS

- Any large trees directly in the floodplain will be removed due to:
 - Eroding existing infrastructure
 - Contributing to flooding within the valley system
 - Roots within the newly designed natural channel construction zone



TREE PLANTINGS

- TRCA will plant over 19,000 native trees and shrubs
- Additional parkland trees planted by the City of Brampton

| Deciduous Shrubs | |
|-----------------------------------|------|
| Alternate Leaved Dogwood | 250 |
| Bebb's Willow (aka Beaked Willow) | 500 |
| Black Chokeberry | 300 |
| Buttonbush | 200 |
| Chokecherry | 100 |
| Common Elderberry | 350 |
| Downy Serviceberry | 500 |
| Gray Dogwood | 500 |
| Nannyberry | 500 |
| Narrow-leaved Meadowsweet | 300 |
| Red Osier Dogwood | 1000 |
| Shining Willow | 300 |
| Smooth Arrowwood | 50 |
| Winterberry Holly | 100 |
| Ninebark | 400 |
| Bush Honeysuckle | 300 |
| Flowering Raspberry | 350 |

| Deciduous Trees | |
|-----------------|-----|
| Balsam Poplar | 80 |
| Basswood | 50 |
| Black Cherry | 30 |
| Black Walnut | 50 |
| Bur Oak | 100 |
| Hackberry | 50 |
| Paper Birch | 120 |
| Red Oak | 30 |
| Silver Maple | 150 |
| Trembling Aspen | 110 |
| Sycamore | 30 |

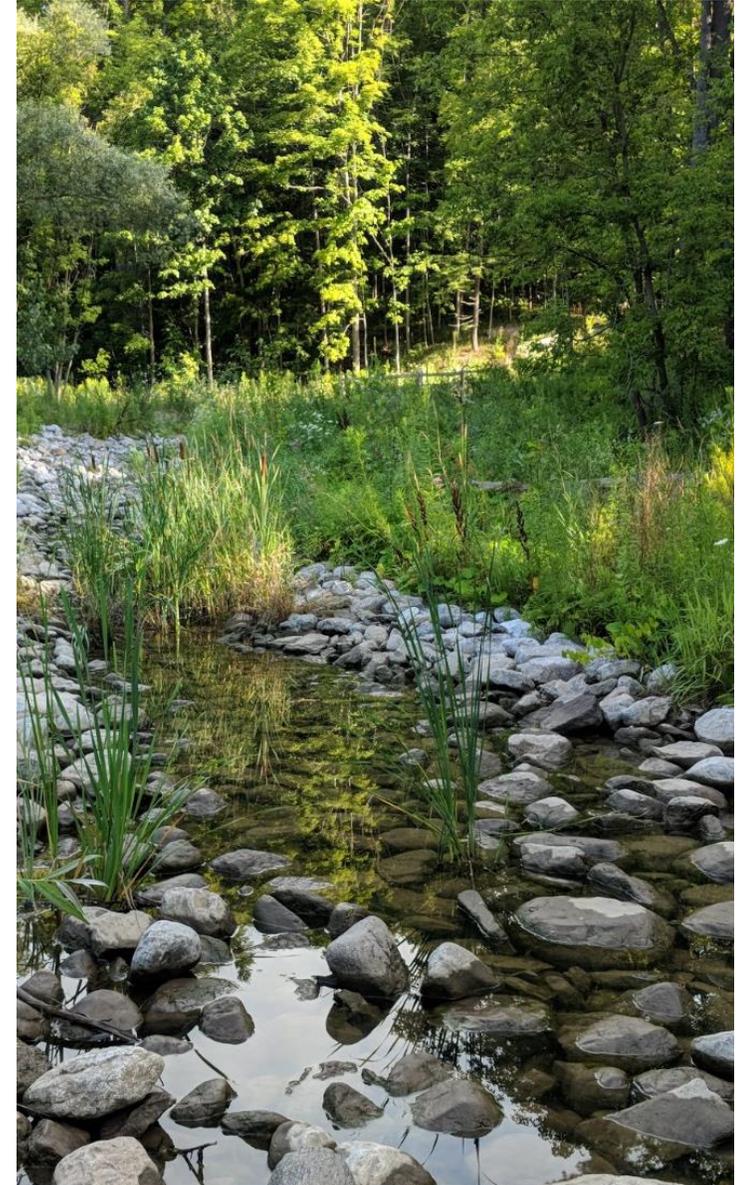
| Coniferous Trees | |
|---------------------|-----|
| Eastern White Cedar | 100 |
| Tamarack | 70 |
| White Pine | 30 |
| White Spruce | 100 |

| Bioengineering | |
|-------------------------------|-------|
| 30cm cutting (willow species) | 12000 |



CHANNEL AND PARK ENHANCEMENTS

- Ecological Benefits
 - Improved water quality
 - Improved creek stability and flood attenuation
 - Improved hydrological connectivity and function
 - Increased natural habitat features (aquatic and terrestrial)
 - Significant increase in natural cover



CHANNEL AND PARK ENHANCEMENTS

Park amenities

- Amphitheatre
- Benches
- Bicycle Racks
- Community Garden
- Fitness Stations
- Outdoor Classroom
- Shade Structure
- Stump log play structure
- Trail and Park Lighting
- Viewing Nodes

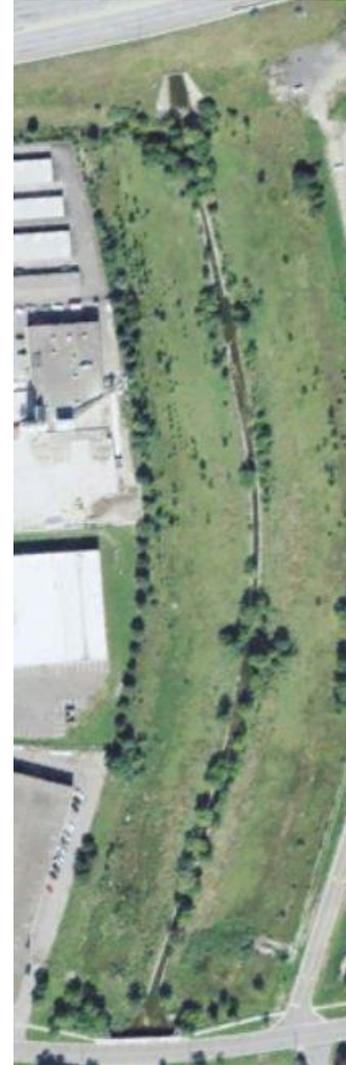


CASE EXAMPLE

Pre-Construction Conditions

- 500 m concrete channel
- 2 fish species present (low #'s)
- Little to no natural habitat features
- Non-native plants
- Flash flood events
- Minimal sediment deposition
- Poor water quality

Alfred Kuehne Stream Restoration



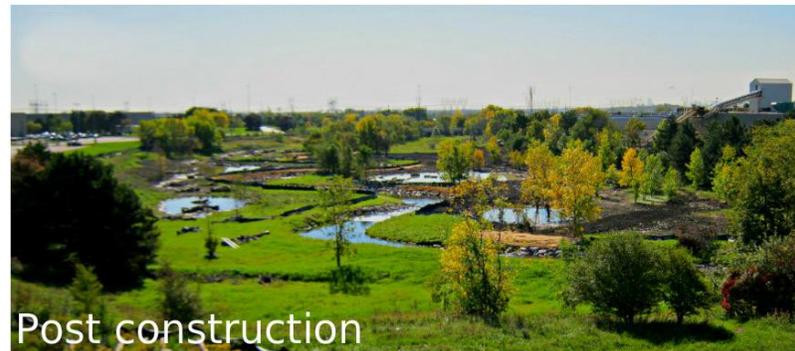
Before



After

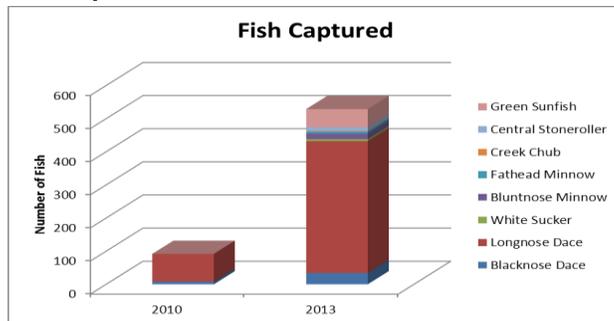
CASE EXAMPLE

Alfred Kuehne Stream Restoration



Post Construction Conditions

- 500 meters of channel restored
- Construction of multiple Floodplain wetlands
- Native trees and shrubs planted
- Six NEW fish species present



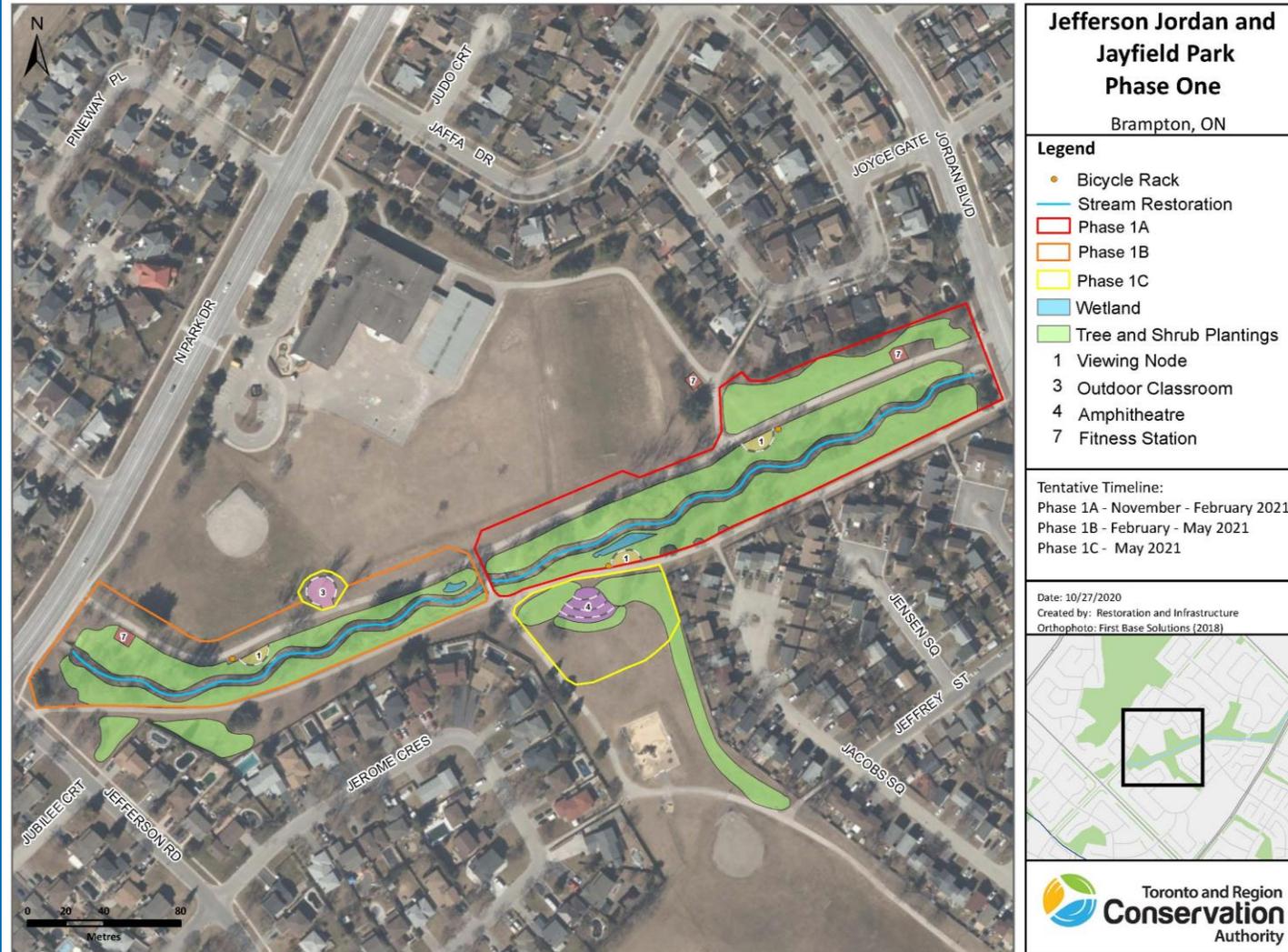
NEXT STEPS - PHASE 1

Timeline

- Next stretch of construction, north of pedestrian bridge, to begin in February 2021 (Tree removals to occur as part of this work)
- Park Amenities to begin Spring 2021
- Tree Planting to begin Spring 2021

Things to note

- CCTV and HydroVac Services in Jayfield Park (Phase 2 work area)



NEXT STEPS - PHASE 2

Tentative Timeline

- Construction to begin in Summer 2021 and continue into the winter
- Final plantings to complete Phase 2 in Spring 2022



Jefferson Jordan and Jayfield Park Phase Two

Brampton, ON

Legend

- Bicycle Rack
 - Stream Restoration
 - Phase 1A
 - Phase 1B
 - Phase 1C
 - Wetland
 - Tree and Shrub Plantings
- 1 Viewing Node
 - 2 Stepped Stumps
 - 5 Pavillion
 - 6 Community Garden
 - 7 Fitness Station

Date: 1/18/2021
Created by: Restoration and Infrastructure
Orthophoto: First Base Solutions (2018)



Disclaimer: The data used to create this map was compiled from a variety of sources & dates. The TRCA takes no responsibility for errors or omissions in the data and retains the right to make changes & corrections at anytime without notice. For further information about the data on this map, please contact the TRCA Restoration and Infrastructure Division. (416) 661-6600.





THANK YOU



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www.brampton.ca/JJJ

Q & A





THANK YOU



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