

Connecting People to the Natural Heritage of Familiar Places Using Augmented Reality:

The Dundas Driving Park AR
Tree Tour



Steve Hill

Augmented Reality

Overlays digital images onto your view of the real world, often through a smartphone.



Virtual Reality

Primarily uses a headset to create an immersive 3D experience.



Augmented Reality







Dundas Driving Park




Tree 1: Bull Oak



Tree 2: Red Oak

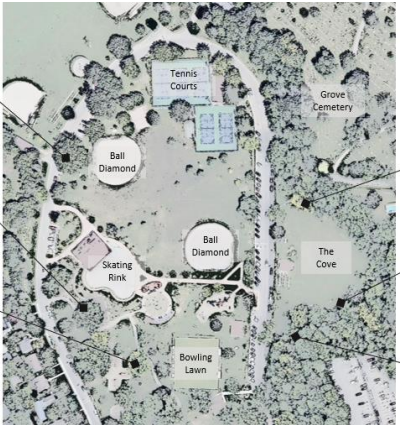


Tree 3: White Oak




How To:


1. Locate the tree with the tag
2. Click or Zoom in and scan the QR code




Tree 7: Sugar Maple



Tree 6: Eastern White Pine



Tree 5: Eastern Hemlock




Meet the Trees

Driving Park AR Tree Tour – Art, Poetry, and History

1. 1909

3. LR Art

2. Oak in the park

1. MT Art

11. 1944

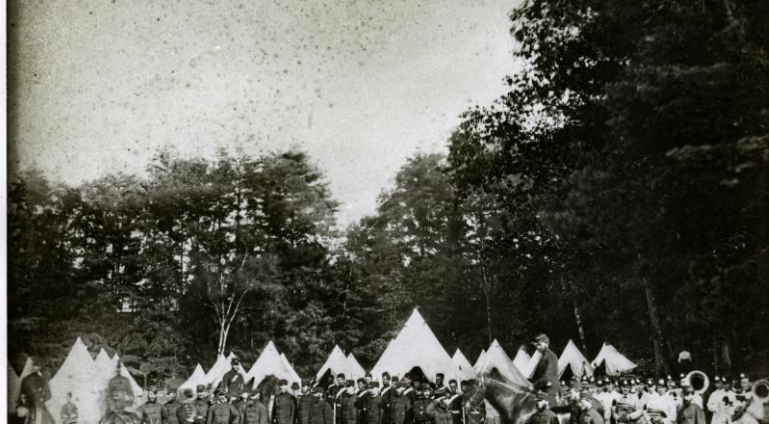
8.

7. 1924

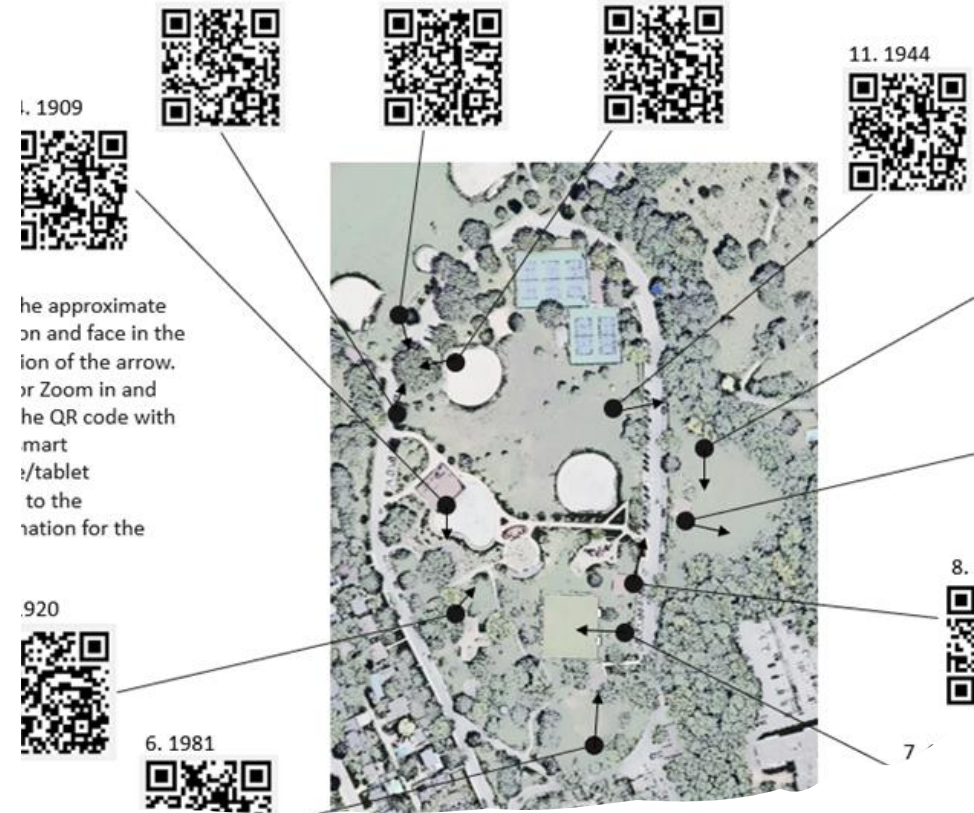
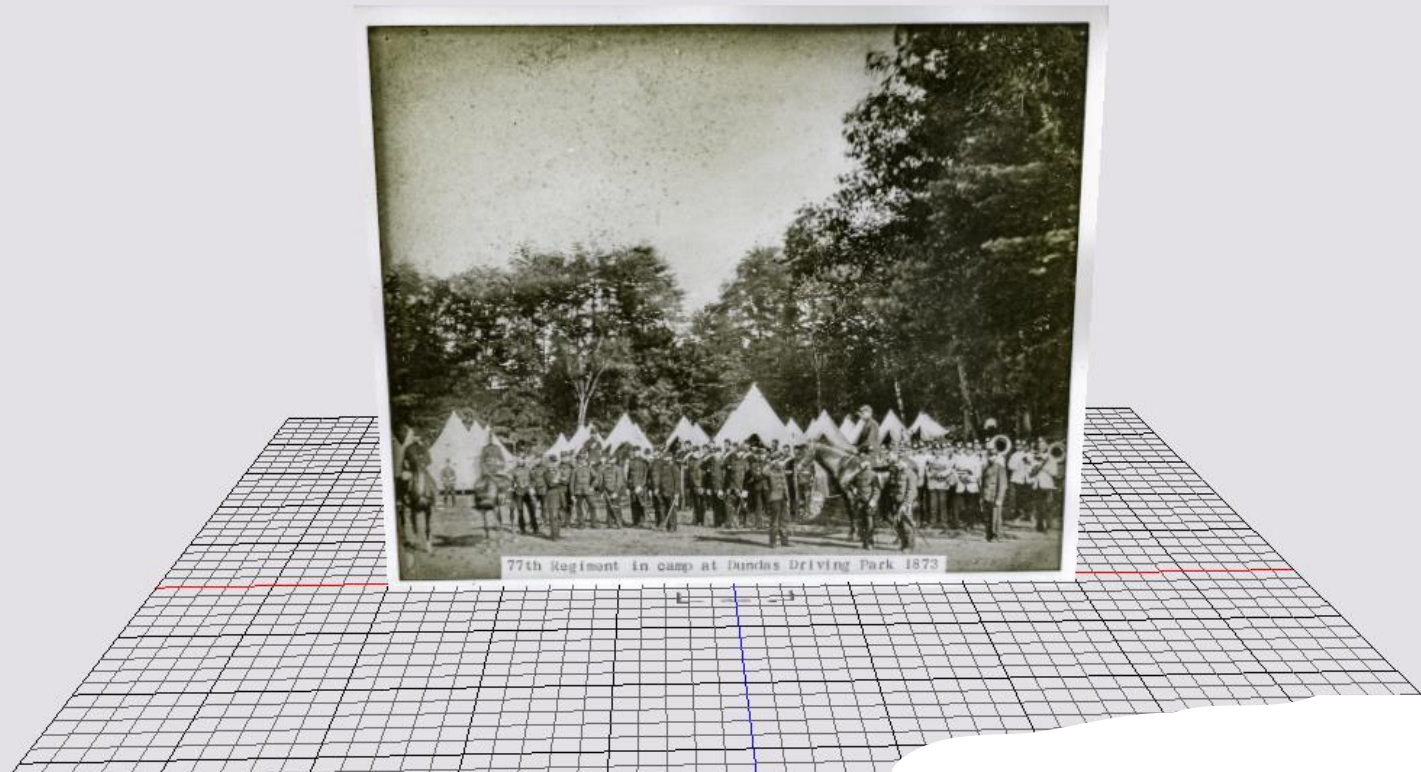
6. 1981

920

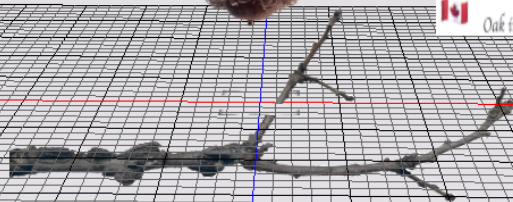
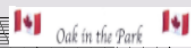
The approximate position and face in the direction of the arrow. Or Zoom in and the QR code with a smartphone or tablet to the location for the



What have the Trees seen



Bur Oak



AR Workbench: Onirix

Meet the Trees: Bur Oak

Dundas Driving Park AR Tree Tour – Meet the Trees

Tree 1: Bur Oak



Tree 2: Red Oak



Tree 3: White Oak



Map created using Google Earth

- How To:
- 1. Locate the tree with the tag
 - 2. Zoom in and scan the QR code with your smart phone/tablet
 - 3. Touch the images in the scene to listen about the trees



Tree 7: Sugar Maple



Tree 6: Eastern White Pine



Tree 5: Eastern Hemlock



Tree 4: Tree of Heaven



The Experience/Lessons Learned

- Broad community interest/support
- Student Engagement
- Place-based Education
- Cross generational impact
- Side projects can be consuming!



Acknowledgements

- **Project made possible by the City of Hamilton's Placemaking Grant Pilot Program with support from the Patrick J. McNally Charitable Foundation**
- Various members of Action 13 (Growing Together Team)
- Heather Schibli, Dougan & Associates
- Rob Bell and Grade 6 students (Dundas Central Elementary School)
- Anna Patterson (Dundas Museum and Archives)
- Stan Nowak (Local Historian)
- Lorraine Roy (Local Artist)
- Michelle Teitsma (Local Artist)
- Steven Moir (Local Poet)



Realizing ^{the} ecological potential of every place.

Dougan & Associates

What have the Trees seen:
77th Regiment camped at the
park in 1873



Trees as inspiration: Lorraine Roy's
textile art

