Mapping Resilience and Biodiversity

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Executive Summary

Resilience is the capacity for ecosystems to survive, adapt, and grow no matter what kinds of chronic stresses and acute shocks they experience.

Goal: To design a self-guided tour for our guests to explore how plants and biodiversity are broadly key components in climate change mitigation and adaption

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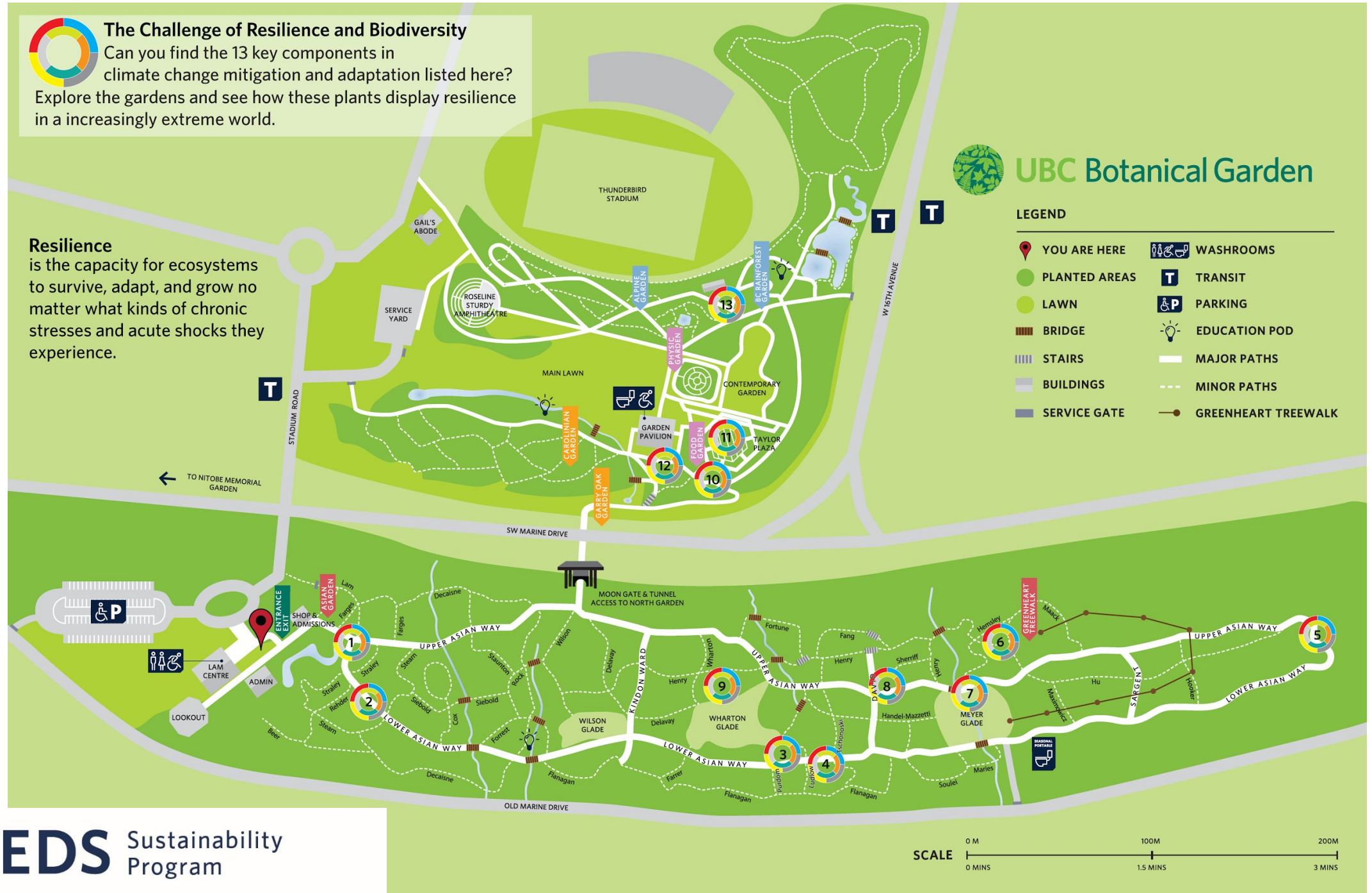

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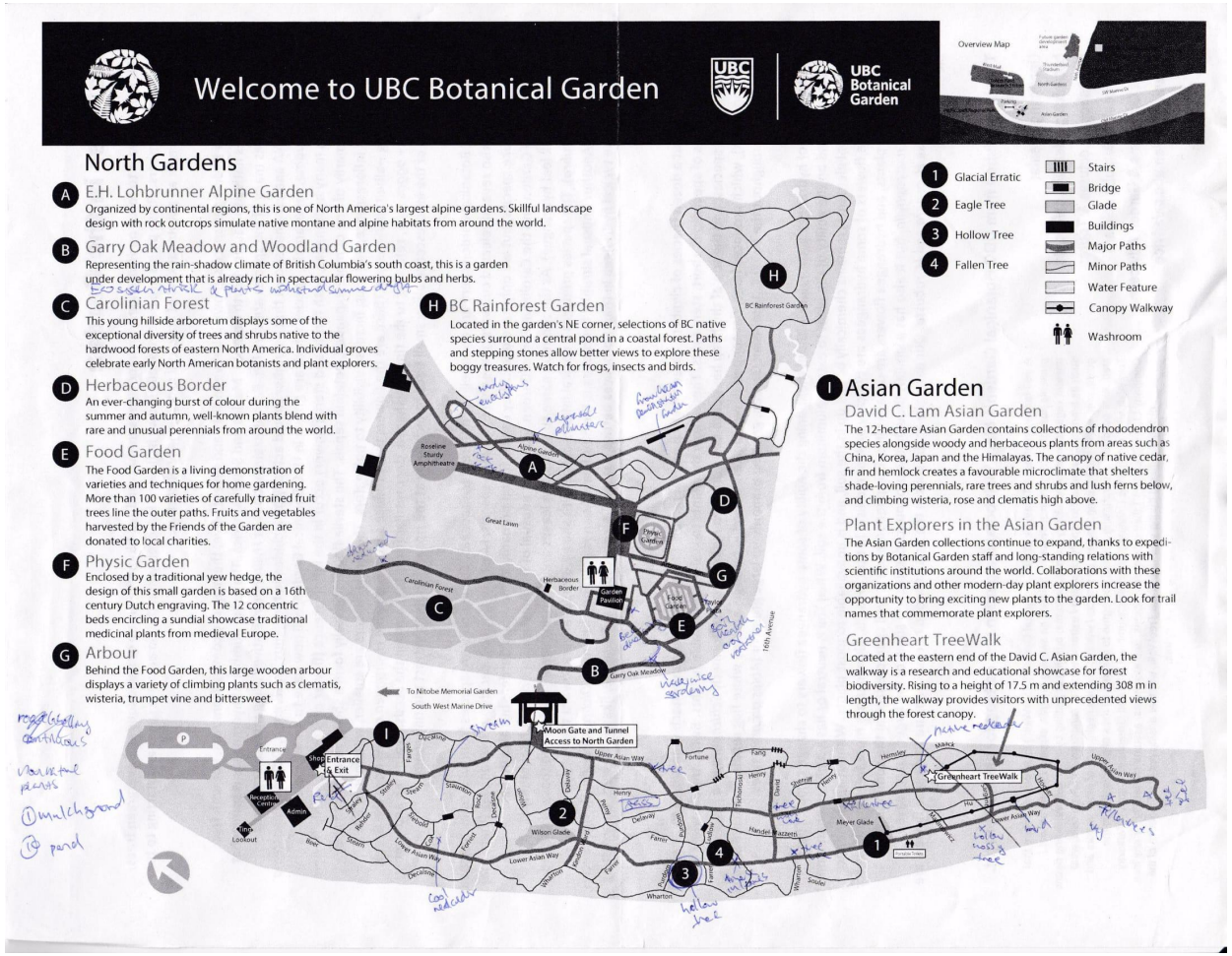
Methodology

- Discussed 10 to 20 potential stops around the garden
- Created short descriptions about the stops with help from the Botanical Gardens
- The descriptions will be placed beside the static map with the corresponding stop number
- The descriptions will show up as a pop up on the online interactive map
- Adobe Illustrator
- ThinkLink.com



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Mulch

- Natural debris
- Many benefits

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Forest Nursery

- Provides food and shelter
- Water storage and release

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Native Western Red-Cedar

- Important to northwest coastal First Nations culture
- Adapted well to our climate

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Waterwise Gardening and Soil Health

- Not all disturbances have to be natural
- Planning and being proactive can have a huge impact on plant health

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Bee Diversity

- Pollination
- The garden has over 65 species of bees

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Taylor Community Capacity

- Community connections and education

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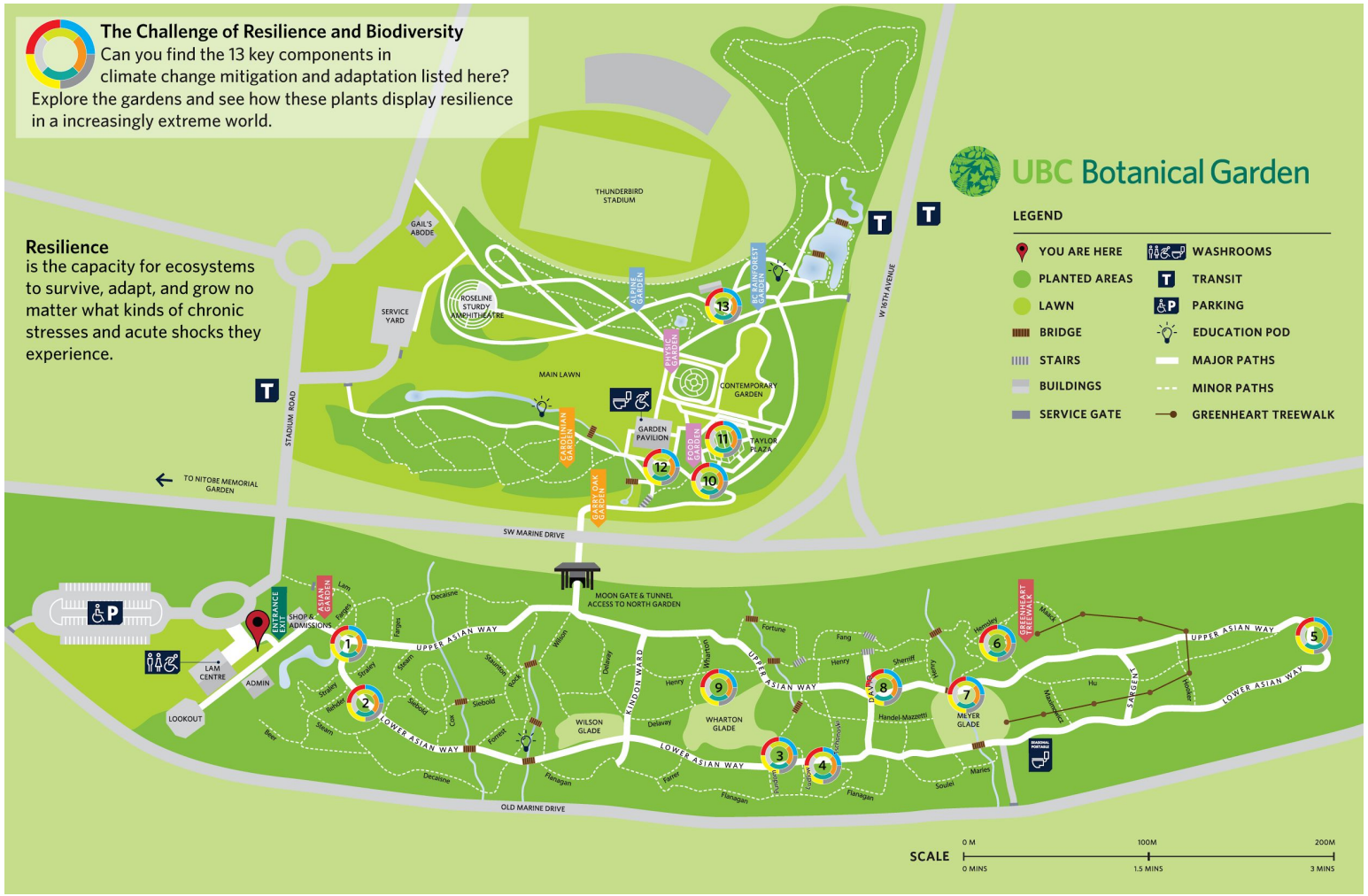
Static Print Map

Software used: Adobe Illustrator

- Consistency with the universal map
- Flow of tour stops
- Symbol to encompass broader diversity



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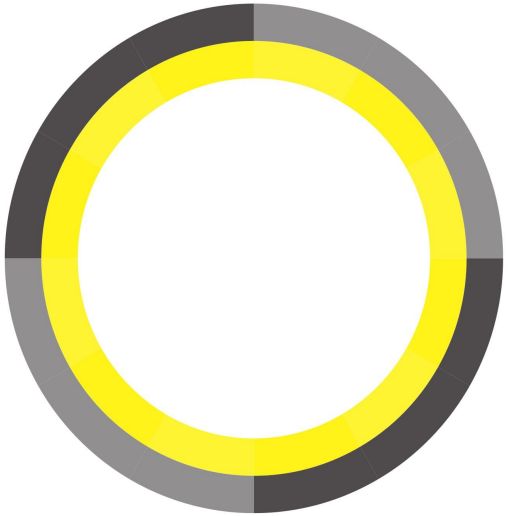
Map Symbols

City Resilience Framework

April 2014 (Updated December 2015)

"Resilience is based on the shifting relationship between scales, and between autonomy on the one hand and connectivity on the other."

Allan, P. & Bryant, M. (2011) 'Resilience as a framework for urbanism and recovery'. Journal of Landscape Architecture 6(2), p. 43



The Rockefeller Foundation ARUP

City Resilience Framework - The Rockefeller Foundation | Arup 9

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Interactive Online Map

https://www.thinglink.com/scene/996183244770639874

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Take home messages

- Biodiversity and resilience can be incorporated into everyday life
- Nature doesn’t always look perfect or “pristine”
- You can increase resilience by intentionally disturbing environments
- Plants and biodiversity are broadly key components in climate change mitigation and adaption

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