

Miyawaki Method at RSS

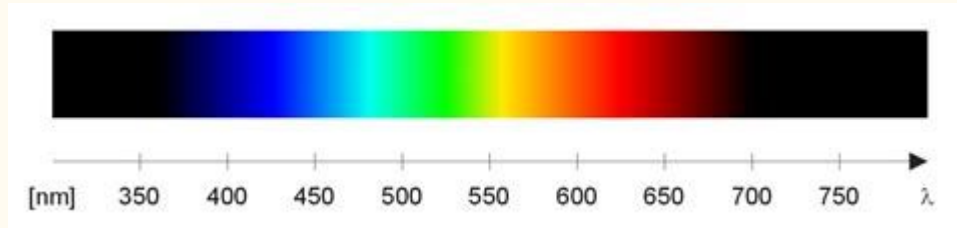
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Designing a Pocket Forest

Mi-Ya-Wa-Ki

<p>Mi: 1 Meter Deep Mix:</p> <ul style="list-style-type: none">• 10x10 meter plot min.• 10m high in 10 yrs• 10x more biodiversity	<p>Wa: What about future:</p> <ul style="list-style-type: none">• 0 maintenance cost• 0 commercial lock-in• Oregon plants (Gretzki style)
<p>Ya: Y'all Participate:</p> <ul style="list-style-type: none">• collect 300 saplings from 30 species• plant 3/m.sq.• water 3yrs• protect lovingly 30 yrs (then pass on)	<p>Ki: Keep Track of Increasing Biodiversity:</p> <ul style="list-style-type: none">• Sit Spots in the pocket forests• iNaturalist citizen science app• Merlin birdscape app

Spectrum of Solutions:



Natural Default: Rewild without much help (RNP, DND, Shady Is, Sturgeon Banks)

Miyawaki: Regenerate biodiversity with a deep initial boost by stakeholders (RSS)

CoR: Greenway, Terra Nova, GCL, Butterfly Meadow, Paulik Park, Garden City Park, 1st **Bird Habitat**

Food Forests: not yet in Richmond? (7-d perennial gardens, less dense, less indiginous than Miyawaki)

Native Pocket Forests: smaller than 100 meter square: stratas, private yards, unused corners (Minler)

Ornamental Pocket Forests: currently the majority: non-native, low-biodiversity (story of Minoru corner)

Potential Areas: Rooftops, Yards, CoR right-of-ways, Parks + Schools, Parking Spots, Balconies, Vertical Walls, Indoors

Mapping with CoR GIS

- Mark out and Measure area
- Identify Utilities zones (GIS not very precise)
- Check with Fortis and BCHydro maps
- 900 meters square available; -200 for circle, -10 for utility box
- Not allowed to dig down ... no need for excavator
- Allowed to build up (hugelkultur style);
- need truckloads of soil + compost (CoR might supply some)

Species to Plant

- Local Native Species List (way easier than in Japan or Europe)
- Local Native Species Wholesale Suppliers
- Appropriate Propagation Techniques
- Appropriate replanting times

Tools

- iNaturalist ***
- Merlin app
- Propagation Sandboxes ***
- Richmond Miyawaki AirTable
- City of Richmond GIS

Vandalism Reduction

- Vandalism Reduction strategies
- Garbage Collection (garbage attracts more garbage)
- Natural Fencing: live willows, wattles

KBA

- Major Migratory bird flyway station
- Official Bird Habitat
- Planetary Biodiversity Protection Classification System

Sit Spots

- Particularly along utility trenches
- Memorial Benches to increase respect
- Biodiversity stations: Citizen Science data collection

Random Other Items

- Use SUGI for fundraising
- Put up birdhouses in the pocket forests, incl tall ones for raptors
- Snags: (import from London Landing?)
 - Excellent indicator of potential biodiversity:
 - Leave dead native trees standing
 - Leave fallen native trees on ground