

BC Community Forest Association 2019

Restoring forests with Forest and Native Plant Seedlings

Ron Jacobson
NATS Nursery



Who we are...



Grower (since 1988) of
Native Plants, Conifers and NATS LiveRoof
...Christmas Tree seedlings, moss.



What we do...



Capacity:

Grow 250+ native plant species in a variety of sizes on 37 acres/
240,000 sq. ft. greenhouses (two locations) in Langley, BC



What we do...



Markets:

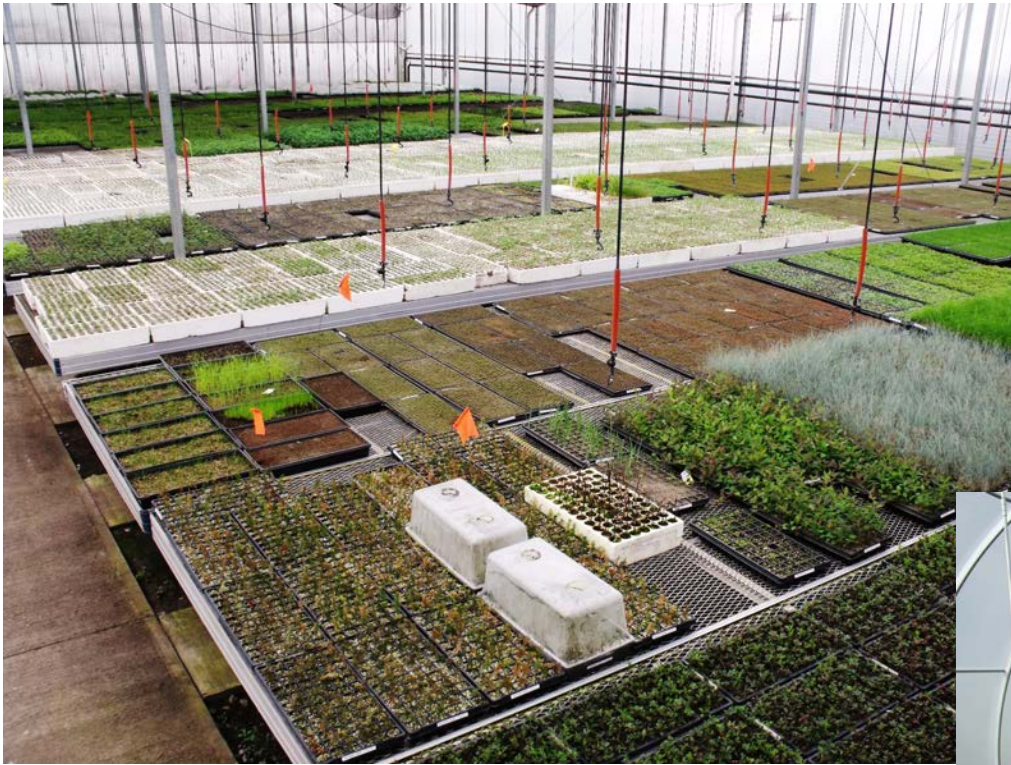
- Restoration (i.e. sensitive habitats, wetlands)
- Reclamation (i.e. mines, oil & gas, TMEP, major projects)
- *Reforestation (First Nations)
- Cities and Municipalities
- Landscapers (Residential/Commercial)
- Wholesale/retail nurseries
- Green roofs (LiveRoof), Vancouver Trade and Convention Centre



Seed harvest, Cleaning & Storage



Germination & Growing



Shipping



Community Forest Fire Reclamation



Multiple considerations:

- “Natural regeneration” of native plants: low-cost but not pro-active... potential for aggressive invasive species
- Ideally... continued efforts controlling invasives and reseedling and replanting with native species (including forestry seedlings)
- Opportunity to replant with local native plants (medicinal & food)
- Create a native plant walk/hike/bike
- After fire... “Crown has a duty to consult with First Nations re: rehabilitation on Crown land”
- Elder/youth education, transfer of knowledge



Forest Fire Reclamation



More considerations:

- Wildlife - (food, shelter)
- Non-native grasses dry out quicker than native plants (fire hazard)
- Clustered coated native grass seed
 - better survival
- Fire breaks (broadleaf shrubs/trees)
- Consider salmon bearing creeks, wetlands and riparian areas
- Harvest native plant seed from the area (if fire... nearby, if logging harvest locally)



Plant Fire Resistant/Drought Tolerant



Ground covers:

- *Achillea millefolium* (Yarrow) DR - when mowed, turf alternative
- *Arctostaphylos uva-ursi* (Kinnickinnick)
- *Antennaria rosea* (Rosy Pussytoes)
- *Fragaria* species (wild strawberry) - turf alternative
- *Sedum* (Stonecrop) - turf alternative

Perennials:

- *Armeria maritima* (Thrift)
- *Aquilegia* species (Columbines)
- *Epilobium angustifolium* (Fireweed)
- *Gaillardia aristata* (Blanketflower) DR

Fire Resistant / Drought Tolerant



Shrubs:

- Amelanchier alnifolia (Saskatoon berry)
- Gaultheria shallon (Salal)
- Holodiscus discolor (Oceanspray)
- Mahonia species (Oregon Grape)

Trees (deciduous):

- Acer circinatum, glabrum, macrophyllum (Vine Maple, Douglas Maple, Big-leaf Maple)
- Betula species (Birch)
- Crataegus species (Hawthorne)
- Populus species (Aspen & Cottonwoods)
- Prunus virginiana, Prunus emarginata (Chokecherry, Bitter cherry)
- Salix species (Willows)

Native Plants: Why NATS?



Conclusion:

- Be forward thinking. Restore with forest seedlings and native plants.
- Include native plants for wildlife, the environment, the community, First Nations and for fire prevention.

Thank you!



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