



**“Seeds are one of the greatest
love stories of all times”**

Jennifer Jewel

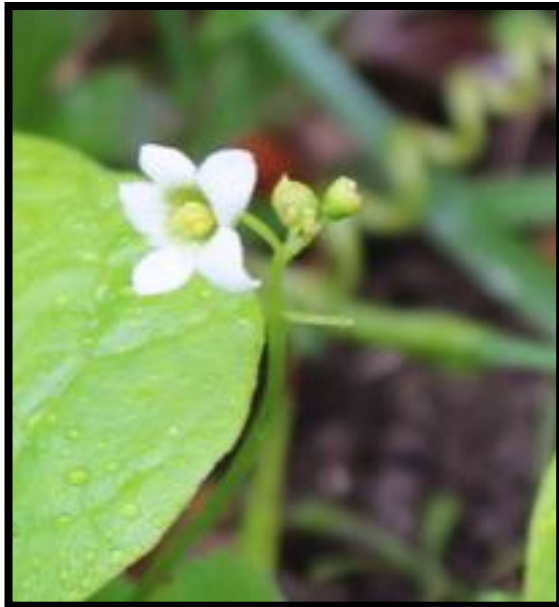
(National Native Seed Conference Feb 7, 2024)

Eco-cultural landscapes support rare plants



Priorities for seedbank?

- Species at risk
- Cultural species
- Overlap between the two



Coast Manroot (*Marah oreganus*) Red-list/Endangered

Open, collaborative conversation as a foundation for the BC seedbank



Sand Verbena Moth (*Copablepharon fuscum*)
red-list/Endangered

Yellow Sand-verbena (*Abronia latifolia*) blue-list

Huge threats to rare plants

- Massive catastrophic fires
- Shrubification
- Alpine weather shifts
- Decoupling of bloom time and pollinators
- Hyper-herbivory
- Invasive insects



Meadow Thistle (*Cirsium scariosum* var. *scariosum*)

Seedbanks are a safety net

- Not a replacement for land conservation, stewardship, or restoration
- Seeds in seedbanks don't continue to adjust to climate change, historic management
- Stored seeds act as a library to maintain species



Yellow Montane Violet (*Viola praemorsa* var. *praemorsa*) red-list/Endangered

Seedbanks can support viability and germination research



Deltoid Balsamroot (*Balsamorhiza deltoidea*)
red-list/Endangered



Howell's Triteleia (*Triteleia howellii*)
red-list/Endangered

How do we move forward?



Photo: Biodiverse Gardens



Hibberson's Trillium (*Trillium hibbersonii*)
blue-list/Threatened

Over 1500 seedbanks globally

“Doomsday Vault”
in Svalbard,
Norway is the
largest seed vault



Facilities for native seed storage

- Ministry of Forests tree seed storage
- Native Tree Seed Centre, Fredericton
- University of Washington seedbank
- Portland State University



Rare plant monitoring programs present opportunities for seed collection



Coastal Scouler's Catchfly (*Silene scouleri* ssp. *scouleri*) red-list/Endangered

Small-scale translocation projects present opportunities for seed collection



Photo: R. Batten

Hairy Paintbrush (*Castilleja tenuis*) red-list/Endangered

Who will be involved?

- Capacity?
- Facilities?
- Training?



Macoun's Meadowfoam (*Limnanthes macounii*) red-list/Special Concern

Thank you for
joining the
conversation
today!

