

Jérôme Redlin-Weiß



Fig. 1: Jérôme documenting plant development

I am an exchange student from the University of Freiburg in Germany and will soon complete my Bachelor degree in Environmental Natural Sciences. I appreciate the practical experience I could gain here at the KCIC as I continue to explore conservation related career options.

Responses of Fernald's and Long's Braya in tissue culture

Further researchers involved:

Dr. Robin Browne, Sarah Hines, Kevindi Gunasekara

Nowhere else in the world do the threatened Fernald's and Long's Braya (*Braya fernaldii*, *B. longii*) find a natural home than in the Limestone Barrens of the island of Newfoundland. The goal of this project was to provide a starting point for further research by growing and observing them under controlled, sterile conditions (= tissue culture). There were two independent parts:

1: Observation of early life stages

- Development was tracked: from initiating germination to plantlet
- Two trials with both species each
- A scoring system was applied to compare the species

2: pH experiment

- Plants of later stages were placed in growth media of varying acidity (= pH)
- In the end shoots and roots were measured before out-planting



Fig. 2: Development from seed to plantlet



Fig. 3: Cultures were removed from jars for measurements



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