

# From Seed to Plant: Propagating Critically Imperiled Rockrose

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## Background

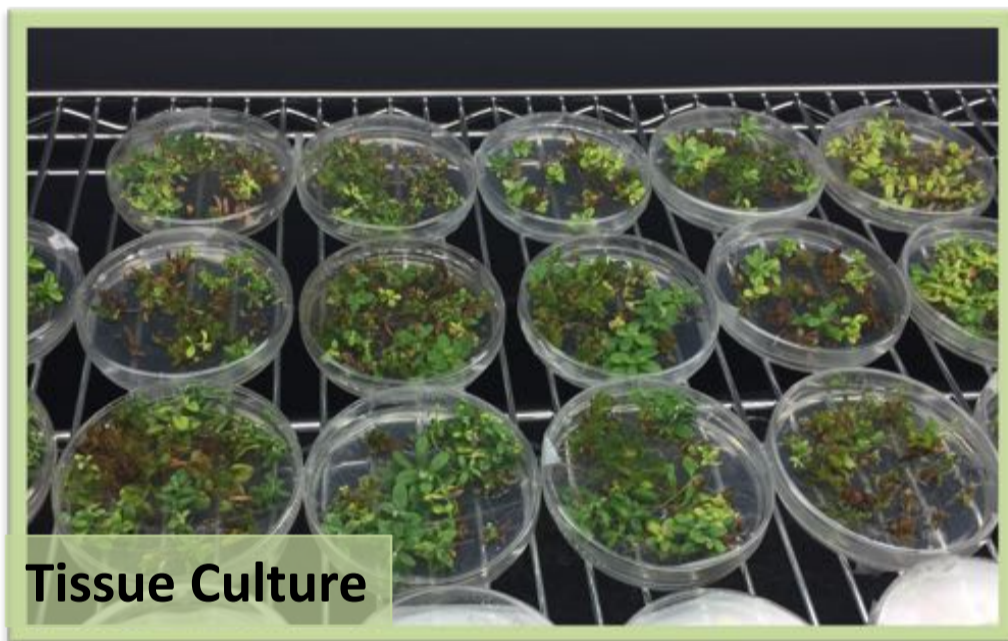
- Rockrose (*Crocanthemum canadense*), a small perennial herb found in dry sandy plains, heath barren-lands, and the periphery of forests and ditches of Eastern North America.
- Populations within Nova Scotia are in decline and are classified as **critically imperiled**.
- Nova Scotia has two genetically distinct populations that are found in **sand barrens in Kings County**.



Seed Bank

## Objectives

To collect Rockrose seeds, and develop methods for optimal germination, propagation to aid re-introduction and long term conservation in its native environment.



Tissue Culture

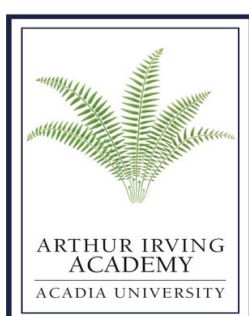
## Methods

1. Collect native seeds
2. Develop methods for long-term storage at the K.C. Irving Centre Seed Bank
3. Perform germination trials from stored seeds
4. Propagate using tissue culture to increase the number of test plants
5. Out-plant into different soil mixtures to test for survival and growth

▪ **Currently:** Assessing survival and growth with future plans to out-plant outdoors



Out-Planting



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