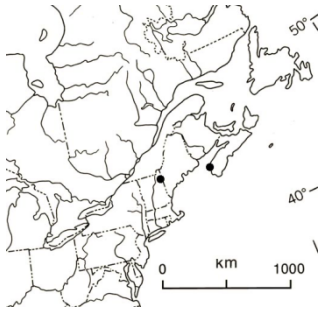


The Mystery of Eastern Mountain Avens (*Geum peckii*)

An Alpine Plant in Sea Level Bogs

Diane LaRue, Robin Browne, Ruth Newell



- Globally Imperilled
 - Canada: Endangered federally and provincially
- Only 2 locations in the world:**
Alpine New Hampshire and
Sea Level, Digby County, NS
- Glacial relic
 - Rare due to limited geography



A Fascinating Plant - Many Questions:

- Why only limited sites on Brier Island, plus one on Digby Neck and high elevation sites in White Mountains in NH?
- How can it grow in these two extremes?
- How did it get to Brier Island and Digby Neck?
- Why not elsewhere (e.g. other bogs on the Neck, or on mainland)?

Challenges of Working with an Endangered Plant

- ✓ Scientific Permits Required from NS Department of Natural Resources
- ✓ Minimize any impact on the habitat or the plant

Research at K. C. Irving Environmental Science Centre

- ❖ Reproductive Biology
- ❖ Propagation by Rhizome
- ❖ Germination Trials
- ❖ Growth Studies
- ❖ TO HELP UNDERSTAND HOW IT SURVIVES AND GROWS IN VARIETY OF HABITATS IN NS
- ❖ Assist Conservation Efforts



Description

- Vegetative by rhizome (clonal), and sexual reproduction
- Growth form: rosettes
- 5 petal yellow flowers in June/July
- Fruits are achenes
- NS: Brier Island with several sites in variety of habitats and one site (bog) on Digby Neck at Harris Lake

