

Eastern mountain avens (*Geum peckii*) population monitoring 1986 to 2022

Brad Toms¹, Nick Hill²

¹*Mersey Tobeatic Research Institute, Kempt, Nova Scotia, Canada.*

²*Fernhill Institute for Plant Conservation, Berwick, Nova Scotia, Canada*

The Eastern mountain avens, (*Geum peckii*) is restricted to two populations in North America. One is found in the alpine region of the Appalachian Mountains in New Hampshire and the other on in the coastal bogs/fens on Brier Island and Digby Neck in Nova Scotia, Canada. The population on Brier Island holds the bulk of the Canadian population and is facing several threats including, climate change, a gull colony, wetland drainage/alteration, nutrient inputs, invasive species and ATV damage. The first attempt to capture the population size and extent took place in 1986 by Kathy Keddy. In 2013 an intensive project was initiated to understand and remediate many of the large-scale threats to Big Meadow Bog. Population monitoring has continued throughout the restoration efforts. The results of monitoring are summarized by sub-populations through maps and tables. While some sub-populations are increasing or stable many are declining, and the entire population has been in decline for the past decade.

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