

Species: Purple Bedstraw (*Galium latifolium*)

Global Rank: G5

State Rank: S3

Climate Change Vulnerability Index: Not Vulnerable/Presumed Stable

Confidence: Very High

Habitat:

Purple bedstraw occurs within the Appalachian Mountains from Pennsylvania to Georgia/Alabama (NatureServe 2010). In Pennsylvania, the species occurs at the northern tier of its range on dry to mesic forests underlain by sandstone and shale.

Current Threats:

Purple bedstraw is threatened by deer herbivory and displacement due to exotic plant species.

Main Factors Contributing to Vulnerability Rank:

Results from the CCVI analysis suggest that purple bedstraw is Not Vulnerable/Presumed Stable. Available evidence does not suggest that the abundance and/or range extent within Pennsylvania will change (increase/decrease) substantially by 2050. However, actual boundaries may change. Several characteristics, such as tolerance to a wide range of climatic conditions and longer distance dispersal potential, contribute to the short-term climate change resilience indicated by the CCVI. However, additional stressors that may affect the species are not considered in the CCVI and should also be evaluated when planning conservation related activities.

References:

Gucker, C.L. 2005. *Galium boreale*, *G. triflorum*. In: Fire Effects Information System, [Online]. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory. Available: <http://www.fs.fed.us/database/feis/> [Accessed: April 2011].

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