

Species: Horned bladderwort (*Utricularia cornuta*)

Global Rank: G5

State Rank: S2

Climate Change Vulnerability Index: Highly Vulnerable

Confidence: Very High

Habitat:

The species grows in shallow water or wet, peaty substrate in ponds, bogs, seepages, and along shorelines (PNHP 2010). Horned bladderwort is only found in northeastern Pennsylvania on the Allegheny Plateau but is widely distributed in the eastern and southeastern United States and Canada.

Threats:

The species is threatened by beaver activity and anthropogenic development that alters hydrologic regime and increases erosion and sedimentation.

Main Factors Contributing to Vulnerability Rank:

Dispersal ability: The species does not typically disperse long distances.

Predicted micro sensitivity to changes in precipitation, hydrology, or moisture regime: Horned bladderwort is moderately dependent on wetland habitat and a moisture regime that is highly vulnerable to loss, reduction, or alteration with climate change and the expected direction of precipitation change is likely to reduce the species' distribution, abundance, or habitat quality.

Dependence on other species for propagule dispersal: The species is completely or almost completely dependent on a small number of species for propagule dispersal.

Literature Cited:

Pennsylvania Natural Heritage Program. 2010. PNHP Fact Sheet – Horned Bladderwort.