

***Dichanthelium yadkinense* (Ashe) Mohlenbr.** **Current status: TU**
Proposed status: PE

Submitted by: Tim Block and Ann Rhoads, Morris Arboretum, March 2010

Synonyms: *Dichanthelium dichotomum* (L.) Gould subsp. *yadkinense* (Ashe) Freckman and DeLong (FNA); *Dichanthelium dichotomum* (L.) Gould var. *dichotomum* (USDA Plants and Nature Serve)

Habitat: Moist or wet woods, floodplains

Range: PA and MD to southern IL, MO, GA, and LA. This species is at its northern limit of range in southeastern PA.

Description: Caespitose perennial grass with vernal and autumnal inflorescences.

Pennsylvania Status: Four extant populations are reported in the PNHP database, however we examined the specimens of 3 of those which are in the Morris Arboretum Herbarium (MOAR) and found the 2002 Kennett Square specimen to be mis-identified. The Pennsylvania Flora Database contains records of 10 additional records all more than 50 years old, and all but one in extreme southeastern PA.

Identification Problems: Larger spikelet size and presence of flattened, whitish papillae on the leaf sheaths make this species distinctive among the *Dichanthelium dichotomum* group.

Status in Other States: Not treated in NatureServe; of conservation concern in DE (as *Dichanthelium dichotomum* var. *yadkinense*) (McEvoy and Bennett 2001).

Global Status: unknown

Rationale for Change: Our recommendation is to continue to recognize this taxon at the species level. Due to the limited number of historical sites and because only 3 extant sites are known, it should be classified as PE.

Sources/References:

Flora of North America Editorial Committee. 2003. *Flora of North America North of Mexico, Volume 25*. Oxford University Press, New York, NY.

McEvoy, William A. and Karen A. Bennett. 2001. *The Flora of Delaware, An Annotated Checklist*. Delaware Natural Heritage Program, Smyrna, DE.

Morris Arboretum Herbarium (MOAR)

NatureServe, <http://www.natureserve.org/explorer/>, accessed 3/2/2010.

Pennsylvania Flora Database, www.paflora.org, accessed 3/2/2010.

PNHP Database, accessed 12/16/2009.

Rhoads, Ann Fowler and Timothy A. Block. 2007. *The Plants of Pennsylvania, An Illustrated Manual*, second edition. University of Pennsylvania Press, Philadelphia, PA.

USDA Plants Database, <http://plants.usda.gov/>, accessed 3/2/2010.

