

## Threats to Ecological Value

As wetland, most of PCA 8 would be difficult or expensive to develop. However, development in the uplands near or within this site, which is more likely, could have negative impacts on Augusta Creek and its associated wetlands in terms of nutrient and surface runoff, which could reduce downstream water quality.



Virginia Chain Fern and Tickseed-sunflower  
Showy Lady's Slipper, Southern Swamp

## Management Recommendations



Pitcher Plant

development away from Augusta Creek and its associated wetlands is preferable.



Wild Calla

In areas where development does occur, it will be important to maintain vegetative buffers between the residential land and Augusta Creek wetlands. The bog should also be protected from development immediately adjacent to the bog in order to reduce nutrient inputs to the lagg, which could promote the establishment of cattails and other nutrient-demanding species.



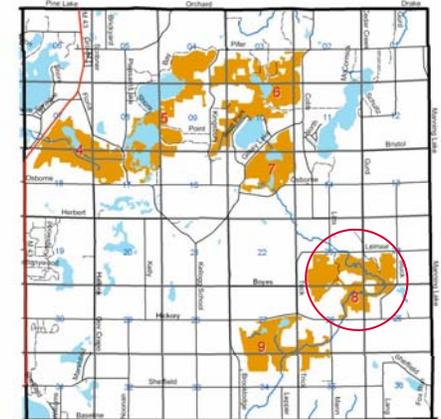
Pink Lady's Slippers

PCA 8 is an excellent candidate for conservation priority. Redirecting de-

## Barry Township Augusta Creek and Kidd Bog PCA 8

### Location

Potential Conservation Area (PCA) 8, located in sections 23, 24, 25, and 26 of Barry Township, is a 445-acre property that is roughly bounded by Leinaar Rd., Stuck Rd., Hickory Rd., and Trick Rd. This PCA is bordered by agricultural fields, old fields, and low density housing.



High priority potential conservation areas  
Barry Township

#### Legend

- state highways
- county roads
- township boundary
- lakes
- rivers
- sections
- potential conservation areas



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# Diverse Ecosystems

## Site Description

This Potential Conservation Area (PCA) is primarily wetland habitat bordering an upper reach of Augusta Creek. Most of the land along Augusta Creek is privately owned; the Tamarack Valley Christian Center owns a large parcel in the north-east portion of the PCA. A bog (Kidd Bog) is located in the north-west corner of the site.



Potential conservation area 8  
Barry Township  
445 acres



**Legend**  
potential conservation area  
roads  
wetlands

## Communities and Ecosystems

Most of PCA 8 comprises wetlands associated with Augusta Creek. The headwaters of Augusta Creek begin farther to the north, and several smaller tributaries enter Augusta Creek within the site. The wetlands associated with Augusta Creek maintain water quality in the creek. They include a patchwork of southern swamp, southern shrub-carr, and southern wet meadow.

Some upland forest areas occur across the PCA, but they are generally small and peripheral to the larger wetlands. The upland habitat consists of dry-mesic southern forest and pine plantations.

A bog is located in the northwest corner of PCA 8. The bog contains the most diverse collection of bog plant communities in the four-township area, including a well developed lagg (or moat), shrub-dominated areas, bog sedge meadow, poor conifer swamp, and a soft-water pond.



## Plants and Animals of Interest

The array of wetland community types in this PCA makes it suitable habitat for most of the frogs and toads found in southern Michigan; nine of the eleven were heard in this area. The Augusta Creek wetlands represent a diverse collection of plants and habitats. The bog is one of the highest quality bogs in the four-township area because it contains a range of bog plant communities, some of which are very rare.



Round-leaved sundew

This PCA is an important connection between the forested areas in the northern half of Barry County and the mixed wetland/upland habitats that continue along Augusta Creek. This allows a path for wildlife to travel to new territories. It also offers habitat for many birds. The 2003 Michigan Breeding Bird Census noted 38 species in this area.

**Four Township Water  
Resources Council**

P.O. Box 634  
Richland, MI 49083-0634  
[www.ftwrc.org](http://www.ftwrc.org)