



## Dean Lakes Mixed-Use Business Park and Residential Development

Client: Ryan Companies, US  
Location: Shakopee, Minnesota  
Project Initiation Date: 2000  
Project Size: 88-acre Conservation Area

### Project Goals

- Introduce conservation planning and alternative stormwater management concepts to the Dean Lakes Development, a mixed-use business park and residential development adjacent to Deans Lake and associated natural areas
- Develop and implement a site-specific Ecological Restoration & Management Program (ERMP) for the site's Conservation Areas

### Project Results

- Assisted with wetland mitigation design and constructed multiple wetland mitigation areas on site
- Contributed technical language and photographs of the site's natural features for interpretive signage installed throughout the site's Conservation Areas

### Project Statement

In 2001, Applied Ecological Services, Inc. (AES) in partnership with Brauer & Associates, Ltd, created the "Deans Lake Area Park, Open Space, and Trail Master Plan." This plan represented the culmination of ecological study, conservation planning, and public input from City staff and the greater community. The Master Plan concluded that the area represented one of the most ecologically unique and significant natural areas in the City of Shakopee. Therefore, development of the site was envisioned to entail a diffuse stormwater management system (that extended throughout the development), enhanced/restored natural areas around Deans Lake and future stormwater management areas, and opportunities for passive recreation.

Working with Ryan Companies, US, (the developer) AES developed and implemented a site-specific ERMP that identified seven distinct ecological communities to be enhanced/restored throughout the site's 88-acre Conservation Area, and provided detailed specifications for establishment and management. The AES Contracting Division removed invasive plant species, and managed the native plant communities through seeding, planting, ecological maintenance and monitoring. AES also constructed wetland mitigation areas on the site, and contributed to interpretive signage found throughout the Conservation Area.

### Current Status

- AES continues to manage and monitor the site's Conservation Area, providing annual presentations and reports to the client and City of Shakopee.