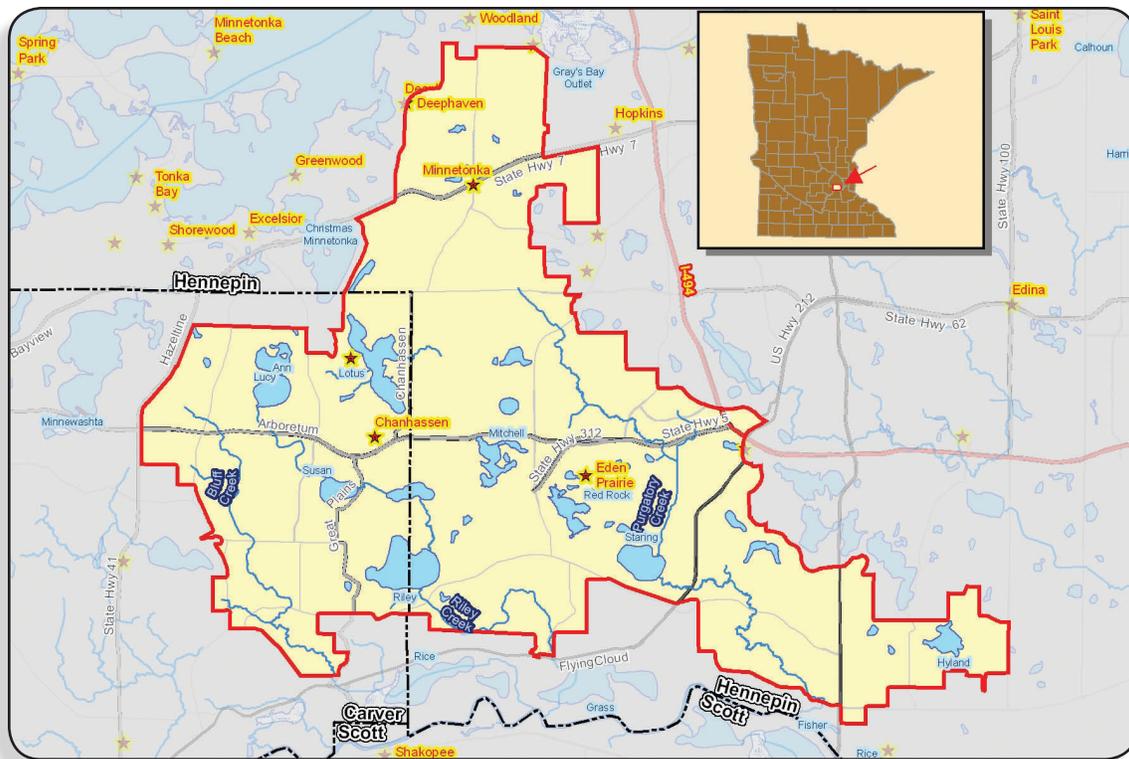


# Riley-Purgatory Bluff Creek

## WATERSHED DISTRICT



### GENERAL INFORMATION

Established: July 31, 1969  
by citizen petition

Krebsbach & Haik, Ltd.  
100 South Fifth Street  
Suite 1900  
Minneapolis, MN 55402  
Phone: (612) 333-7400  
www.rileywd.org

Included Counties: Hennepin, Carver

District Size: 47 square miles

Major Lakes: Ann, Duck, Hyland,  
Lotus, Lucy, Mitchell, Red Rock, Rice  
Marsh, Riley, Round, Staring, Silver,  
Susan

Number of Staff: 3

2008 Taxable Market Value:  
\$13,249,167,600

### BOARD OF MANAGERS

Name	Position	County	Address	Phone
Michael J. Casanova	President	Hennepin	mcasanova@rileywd.org	(952) 937-8372
Kenneth Wencil	Vice President	Carver	kwencil@rileywd.org	(952) 906-2181
Howard L. Peterson	Treasurer	Hennepin	hpeterson@rileywd.org	(952) 934-2050
Kristine Sundberg	Secretary	Hennepin	ksundberg@riley.org	(952) 239-6394
Perry Forster	Manager		pforster@rileywd.org	

## RECENT PROJECTS

Riley Lake-Rice Marsh Lake Basic Water Management Project — petitioned by the Cities of Chanhassen and Eden Prairie, and based upon the Lake Riley Use Attainability Analysis, this \$2,400,000 project treats lake sediments with alum to abate prior sewage discharges and constructs detention basins throughout the watershed of the lakes to restore and protect a lake designated by the Metropolitan Council as a lake of regional importance.

Staring Lake-Purgatory Creek Recreation Area Basic Water Management Project — petitioned by the City of Eden Prairie, this \$3,000,000 project constructed outlet and trail system to provide more than 600 acre-feet of flood storage including a basin for water quality treatment of 15,000 acres of tributary watershed as well as habitat improvement for water fowl; the trail system was coordinated with municipal park systems to provide paved trails for citizen recreation.

Purgatory Creek Use Attainability Analysis — planned and implemented under the approved Water Management Plan of the District, this project analyzed the existing and attainable uses to identify and prioritize basic water management projects for protecting and conserving this creek.

Lake Use Attainability Analyses — planned and implemented under the approved Water Management Plan of the District, the projects analyzed the existing and attainable uses to identify and prioritize basic water management projects for protecting and conserving the following lakes: Red Rock, Lotus, Staring Lake, Mitchell, Hyland, Silver, Susan, Riley, Ann, Lucy.

Riley Creek Water Management Project — petitioned by the City of Eden Prairie, this \$4-million project entailed development of a hydrologic and hydraulic model to evaluate and implement stream bank restoration to abate turbidity impairments and improve habitat and reduce sedimentation to the Lower Minnesota River.

Riley Creek - Lake Riley Outlet Improvement Project — completed in November 2008, this project will resolve persistent high water levels that are impacting recreational use of Lake Riley, which is a metropolitan and regionally significant lake. The problems are due to the large land area tributary to Lake Riley and the relatively small outlet capacity. The outlet is subject to frequent plugging, thereby exacerbating and aggravating high water conditions. Debris blockages at the upstream end of the culvert have caused public safety concerns.



*Staring Lake Outlet-Purgatory Creek Recreation Area Basic Water Management Project. The photo shows the coordinated trail for recreation as part of the flood storage and water quality basin.*

## FUTURE PROJECTS

Round Lake Water Management Project — petitioned by the City of Eden Prairie and based upon the Round Lake Use Attainability Analysis, this \$2-million project will enhance existing water quality detention basins and add new basins along with alum treatment of sediments to reduce in-lake phosphorous concentrations.

Purgatory Creek XP-SWM Computer Model — this \$500,000 project intends development of an updated hydrologic and hydraulic model to re-assess delineated floodplain, evaluate adequacy of crossing capacities, and analyze project alternatives for avoiding or abating turbidity or habitat impairments.

Lotus Lake Water Quality Improvement Project — Infestations of Eurasian water milfoil and curly leaf pondweed, and destabilized shoreline contribute to impairment of water quality and recreational use of Lotus Lake. The District's analysis recommended a multi-year approach to alum treatments to manage phosphorus and reduce algal blooms, and herbicide and other treatments to control invasive aquatic plants. Implementation is expected to extend over the next decade with monitoring and reporting of success.

### 2007 EXPENDITURES

Not provided - please contact the District.