

## 1.0 INTRODUCTION

The District has updated and amended its watershed management plan, developed standards and rules focused on protecting steep-sloped areas prone to erosion and gully formation, and continues to assess the effects of climate change on those systems using the outcomes of climate analysis completed as part of the 2020 *Fens Sustainability Gaps Analysis for Carver, Dakota and Scott Counties, Minnesota*. In 2008, the Lower Minnesota River Watershed District (LMRWD or District) inventoried actively eroding gullies and pipe outfalls to collect information about the severity of erosion occurring at each site. The 2008 Inventory was conducted from 2007 to 2008 by the Minnesota Conservation Corps and identified gullies, pipe outfalls, and other sites encountered, such as trash heaps, within the LMRWD watershed.

The District wishes to reevaluate the original gullies and pipe outfalls inventoried, assess their condition, and to update its inventory to include gullies formed and outfalls installed after the 2008 project. The District asked their technical consultant, Young Environmental Consulting Group, LLC (Young Environmental), to conduct an updated inventory and condition assessment using the 2008 Inventory as a baseline. The Gully Inventory and Condition Assessment Project (Project) consists of a comprehensive review and assessment of the 2008 Inventory, a desktop review of topography and municipal water management plans to generate a list of areas for investigation and areas where restoration efforts have occurred, field surveys to document gullies and outfalls and lastly, categorizing the erosion potential of all of the sites surveyed. The following sections of this report presents Young Environmental's methodology, findings, city summaries, and recommendations for next steps.