

## Executive Summary

Lake stewardship is a challenging and complex task that can reap long term rewards for future generations when performed with long term goals in mind. Today's lakes face many obstacles that include nutrient loading, sedimentation, invasive species, shoreline erosion, loss of habitat, and climate change. While presenting distinct challenges to lake groups, these obstacles can provide opportunities for improvement, community engagement and education, collaboration between a wide array of stakeholders, and the ability to shape future generations of lake stewards.

To protect and restore Lake Redstone, this 9-Key Element Plan was developed to tackle these major obstacles. Primarily, this plan will focus on reducing sediment and nutrient loading to the lake, improving riparian habitat, promoting appropriate lake stewardship, and engaging multiple partners to be invested in the future of the lake. Three areas of concern are focused on in this plan: the watershed of Lake Redstone, the riparian area around Lake Redstone, and Lake Redstone itself. These areas are specifically targeted because of their indirect and direct relationship to the degradation of Lake Redstone through contributions of sediments and nutrients. This plan will focus on best management practices that will assist in reducing loads of sediment and nutrients from these surrounding areas through the lens of the following objectives:

**Overarching Goal:** Improve the water quality and overall ecosystem of Lake Redstone by working with various stakeholders to implement best management practices to improve the watershed, riparian area, and the lake itself.

**Objective 1:** Implement best management practices throughout the watershed to reduce sediment and phosphorus loading into Lake Redstone.

**Objective 2:** Improve the riparian area by implementing BMPs to increase quality habitat for wildlife and mitigate the effects of development on Lake Redstone

**Objective 3:** Use BMPs within Lake Redstone to reduce negative impacts from pollution, aquatic invasive species, and shoreline erosion.

**Objective 4:** Build and maintain partnerships with outside resource, state, university, county, lake groups, and other local entities to guide the implementation of BMPs.

The implementation of this plan will connect individual BMPs to the larger goals of the LRPD, including people and funding aligned with the objectives; individual riparian owners and agricultural practitioners throughout the watershed; monitoring and data information systems; and milestones designed to meet the expectations of stakeholders throughout the period of this plan.

Execution of this plan depends on the collaboration of multiple stakeholders, including the LRPD, Juneau and Sauk Counties, Producers of the Lake Redstone Watershed, USGS, WI-DNR, and others. Within the Appendices included with this document, tables are provided that list the current goals and objectives, specific milestones to be met throughout implementation, timelines and methods of implementation, and expected outcomes for each area of concern – watershed (Appendix F), riparian area (Appendix G), and Lake Redstone (Appendix H).

Appendix I combines all Plan Actions into one table and adds Years 1-3, 4-6, and 7-10 milestones, estimated costs, and expected Resource Agencies that will either be responsible for completing the action or will provide technical assistance with implementation.