



Town of Middleton

182 Kings Highway, Middleton, New Hampshire 03887

CONSERVATION COMMISSION
Sunrise Lake Watershed Advisory Committee

November 27th, 2023

Board of Selectmen
Town of Middleton
182 Kings Highway
Middleton, NH 03887

Dear Board of Selectmen:

As a result of our 319 Grant submittal in September 2023, the NH Department of Environmental Services invited us to submit a Full Proposal for the 2024 Watershed Assistance Grant (also known as the 319 Grant). This opportunity would not have been possible without the full support of Town Officials, the three Sunrise Lake Associations, Strafford Regional Planning, and others committed to protecting the watershed.

Four projects were submitted to reduce non-point pollutants entering and flowing into Sunrise Lake. Each of these proposed improvements follows Best Management Practices (BMP) and are designed to reduce total phosphorus (TP).

Culvert Replacement- Lake Shore Road

An inspection found that a failing metal culvert located across from the Lake Lands Beach is directing water underneath the beach sand, causing sand erosion into the lake. The proposed project is a complete redesign of the system and will help to prevent further erosion and the transport of sand and gravel into the lake, resulting in improved water quality.

Repair of damaged drainage infrastructure-Lake Lands Beach

The second project is to repair compromised drainage infrastructure and improve stormwater management adjacent to Lake Lands Beach. This proposed project will help to address ongoing erosion issues at the beach area during storm events.

Construction of a rain garden-Hampshire Shores

Located at the at the end of Shore Drive in front of Hampshire Shores Beach, the rain garden will collect stormwater runoff from Shore Drive and minimize flow into the beach and the lake. Signage will explain its purpose and promote other residential stormwater management opportunities such as infiltration trenches, erosion control, vegetative plantings, and shoreline stabilization methods.

Stormwater Drainage Study

The fourth project would involve the study of stormwater drainage into Sunrise Lake as a whole. This would involve identification and education of non-point pollutants from poorly maintained and deficient septic systems and offer solutions to reduce pollutant loads into the lake.

Kyle Pimental of Strafford Regional Planning and Sally Soules, Coastal Watershed Supervisor of NH DES, have requested an in person meeting with all watershed stakeholders to plan the projects and the resources needed to complete them in detail. The DES deadline for the Full Proposal is January 14, 2024. Therefore, a meeting is requested sometime early in December to discuss the details. Those invited to attend are Middleton BOS, Middleton Road Agent, Middleton Conservation Commission, Sunrise Lake Estate Association, Sunrise Lake Lands Association, and Sunrise Lake Watershed Advisory Committee.

I am attaching some of the Full Proposal Documents we will use to finalize the proposal. If you have any questions, don't hesitate to get in touch with me.

Respectfully,

John Mullen
Chair
Sunrise Lake Watershed Advisory Committee



2024 WAG Full
Proposal.doc



2024 Full Proposal
Spreadsheets (1).xls

CC: Road Agent, Town of Middleton
Conservation Commission, Town of Middleton
Sunrise Lake Watershed Advisory Committee
Sunrise Lake Estates Association
Sunrise Lake Lands Association
Hampshire Shores Association
Kyle Pimental, Strafford Regional Planning
Sally Soules, NH DES

JM/jv