

2024 Watershed Assistance Grant

Full Proposal Deadline – January 12, 2024 @ 4:00PM

DRAFT Project Work Plan

SRPC and a consultant, to be hired through a competitive procurement process, will work in cooperation with a project steering committee to implement several structural and non-structural BMPs for reducing pollutant loads delivered to Sunrise Lake from stormwater runoff. Specific steps to do so are as follows:

Objective 1: Hire consulting firm to assist with project following procurement requirements.

Measures of Success 1: Consulting firm is hired and selected; project team established.

Deliverable 1: Signed contract with consulting firm.

Task 1.1: Develop a Request for Qualifications (RFQ) for professional engineering services to assist in the design for the proposed structural BMPs. SRPC will issue the RFQ, review responses, and select a consultant. It is anticipated this process will be conducted with assistance from local representatives. SRPC will subsequently finalize the contract with the selected consultant.

Task 1.2: Establish a project team to include local representatives of the town, municipal staff, and lake association residents.

Estimated Budget:

Federal EPA Grant Funds: \$3,000

In-Kind Match: \$500

Objective 2: Engineering, Design, Permitting, Construction Oversight, Pollutant Load Documentation.

Measures of Success 2: Engineered plans will be provided with cost estimates, assistance with obtaining state and local permits, and construction oversight.

Deliverable 2: Final designs, cost estimates, and permits for three BMPs. Construction oversight for the culvert replacement project and pollutant load reduction estimates for BMPs.

Task 2.1: The consultant, in coordination with SRPC and project partners, will develop designs, cost-estimates, and permits for the following:

- BMP 1: Hampshire Shores Beach Raingarden.
- BMP 2: Lake Shore Road Culvert Replacement project.
- BMP 3: Lake Lands Association Beach stormwater project.

This task will include construction oversight and documentation for the culvert replacement project and pollutant load reduction estimates for BMPs. The SOAK shoreline buffer project (BMP 4) will not need engineering services.

Estimated Budget:

Federal EPA Grant Funds: \$32,000

In-Kind Match: \$500

Objective 3: Construct structural BMPs.

Measures of Success 3: Three structural BMPs are built.

Deliverable 3: Construction of the Hampshire Shores Beach Raingarden, the Lake Shore Road Culvert Replacement, and the SOAK Shoreline Buffer Project.

Task 3.1: Construct Hampshire Shores Beach Raingarden at the turnaround at the end of Shore Drive in front of Hampshire Shores Beach. This will collect stormwater runoff from Shore Drive and minimize flow into the beach and the lake.

Task 3.1.1: Site preparation will include mobilization/demobilization; erosion and sediment control; and dig safe/utility marking.

Task 3.1.2: Earthwork and construction will include excavation and disposal; construction (equipment/labor); and purchase materials (e.g., gravel and crushed stone, bioretention mix, mulch, and geotextile)

Task 3.1.3: Plantings and installation of kiosk will include purchasing native plants for raingarden; installation of plants, water, tend to raingarden; design kiosk, purchase or build kiosk; and install kiosk.

Task 3.2: Lake Shore Road Culvert Replacement will replace outdated/broken infrastructure piping at Lake Shore Road to adequately convey flow and reduce erosion at the beach due to broken and outdated piping that results in significant beach gullyng and sediment loading to the lake.

Task 3.2.1: Installation of culvert upgrade will include the purchase or donation of materials to replace culvert (e.g., culvert, stone, gravel, etc.); plantings as needed; and labor and equipment.

Task 3.3: Construct a SOAK Shoreline Buffer Project that will serve as a demonstration shoreline buffer project and associated outreach task will be conducted with assistance from the NHDES SOAK Team.

Task 3.3.1: Installation of shoreline buffer will include plantings and labor.

Estimated Budget:

Federal EPA Grant Funds: \$13,000

In-Kind Match: \$13,200

Objective 4: Implement non-structural BMPs.

Deliverable 4: Develop a draft septic system ordinance, organize outreach events, and conduct additional bacteria sampling.

Task 4.1: Develop a draft septic system ordinance authorized through the public health statute that will apply to sewage disposal systems or other means of on-site sewage or gray water. This will also include the establishment of a septic system evaluation and certification requirements, replacement requirements, and enforcement procedures. A survey will be disseminated to determine interest of homeowners in a cost-share septic replacement program.

Task 4.2: Several outreach campaigns will be conducted with lakefront homeowners and the Sunrise Lake Watershed Committee including but not limited to presenting at annual meetings, distributing the survey, attending public meetings to discuss the proposed septic ordinance, and promoting other local events (i.e., beach clean ups, milfoil removal, etc.).

Task 4.3: Conduct additional focused bacteria sampling at the Lake Lands Association Beach to help address concerns about the effluent smell and potential issues upstream from septic systems.

Estimated Budget:

Federal EPA Grant Funds: ~~\$3,000~~ 10,000

In-Kind Match: \$500

Objective 5: Conduct all project management of the grant.

Deliverable 5: All final products delivered to the NHDES including reports, and invoices.

Task 5.1: SRPC will provide all project management and oversight for project, as well as organize and attend all project team meetings.

Task 5.2: SRPC will submit periodic progress reports and prepare monthly project accounting (invoices) documenting all work performed during the project period as required.

Task 5.3: Submit a comprehensive final report as specified by NHDES.

Estimated Budget:

Federal EPA Grant Funds: \$5,000

In-Kind Match: \$2,000