

Horsley Witten Group

Sustainable Environmental Solutions

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MEMORANDUM

TO: Steering Committee

FROM: Brian Kuchar

DATE: October 19, 2011

RE: Roger Williams Park Water Quality Management Plan
Revised Short-term and Long-term Goals

CC: Rich Claytor, Marie Evans Esten, Michelle West, Bob McMahon, Tom Ardito

The following are the revised goals as discussed at the October 5th meeting.

OVERALL GOALS FOR THE LONG-TERM PROJECT INCLUDE:

- Improve water quality, habitat and biodiversity within the ponds;
- Improve the overall environmental quality and user experience of the Park;
- Increased awareness and public education of the health risks associated with fish consumption; and
- Foster watershed management awareness and environmental stewardship among the park users and surrounding residents through a public outreach campaign.

Short-term

1. Identification of pollutant sources
 - a. Both within the park and larger watershed
2. Quantify targeted pollutant reduction
 - a. Phosphorus reduction and others
3. Evaluation of pond management options
 - a. Prioritize stormwater BMP locations for maximum pollutant load reduction
 - i. Include both structural and non structural BMP's
 - b. Identify potential upstream or in-pond treatment options and locations
 - i. Alum dosing and others
 - c. Identify locations for enhanced aquatic buffers
4. Completion and implementation of geese management plan (by Tim Cozine)
5. Public Outreach/Awareness



Long-term

1. Targeted upgradient off-site BMP locations within the watershed.
2. Water Quality Park Management Plan to address the following:
 - a. Additional BMP locations identified and conceptual costs estimates for future funding
 - b. Pavement reduction within the park
 - c. Landscape improvements along pond edges
 - d. Long-term maintenance
 - e. Additional in-pond treatment options
3. Long-term geese management/population control.
4. Implementation of a water quality sampling program.
5. Monitoring of installed BMPs for performance.
6. Explore possibilities of extending herring migration up into the ponds.
7. Public support will be a critical and necessary component for the future implementation of projects throughout the watershed; therefore, on-going outreach opportunities should be addressed to make the public aware of the importance of watershed management. This should include highlighting the following:
 - a. The potential effects on daily park activities; and
 - b. The wide range of potential benefits of implementing a comprehensive plan to improve water quality.