Applied Polymer Systems, Inc.
519 Industrial Drive, Woodstock, GA 30189
678-494-5998
www.siltstop.com

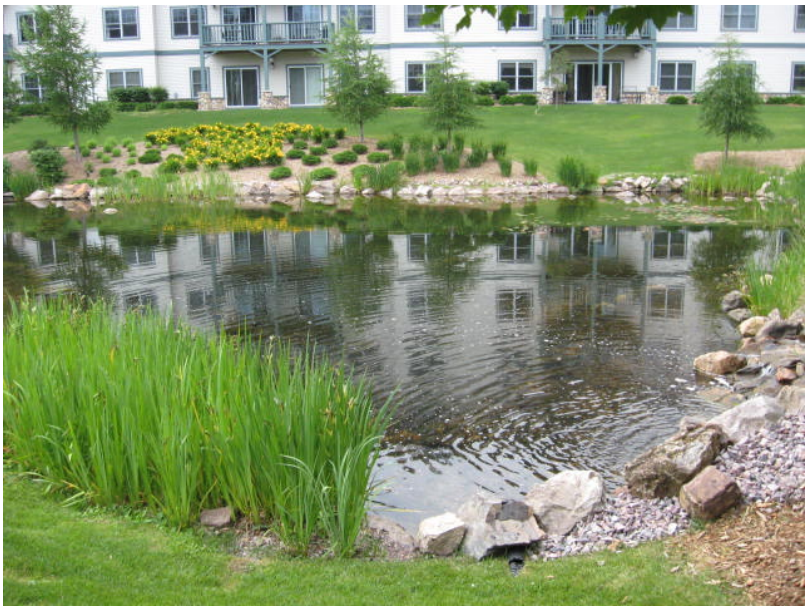
Innovations

In Pond & Lake Management

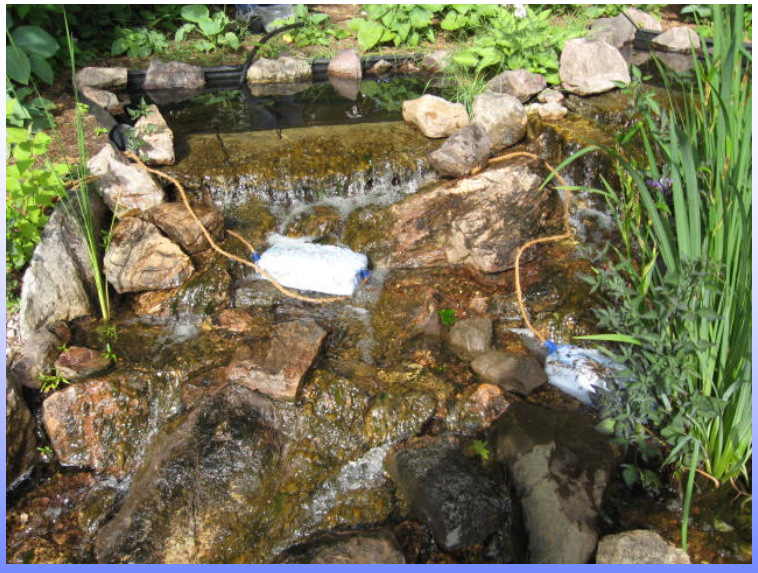
Lakeshore Park Place Condominiums

Lakeshore Park Place Condominiums are located in the City of Marquette in the Upper Peninsula of Michigan. The luxury condominiums are located across from Shiras Park, a picturesque and pristine beach located on the shores of Lake Superior, America's largest freshwater lake. Downtown Marquette is minutes to the south and to the north is Presque Isle Park, another popular area for residents and tourists alike. The complex itself consists of 5 buildings, 51 units total, and boasts beautiful landscaping and gardens that include two manmade, decorative ponds.

The Ponds average about 1,800 square feet and 2 ½ feet deep. As with many small ponds across the country, inanimate nutrients such as phosphorus, organics and sediments began to build up over time making the ponds aesthetically displeasing.



Above: Pond Logs clean the rocks and the pond water itself making the pond clear and beautiful.



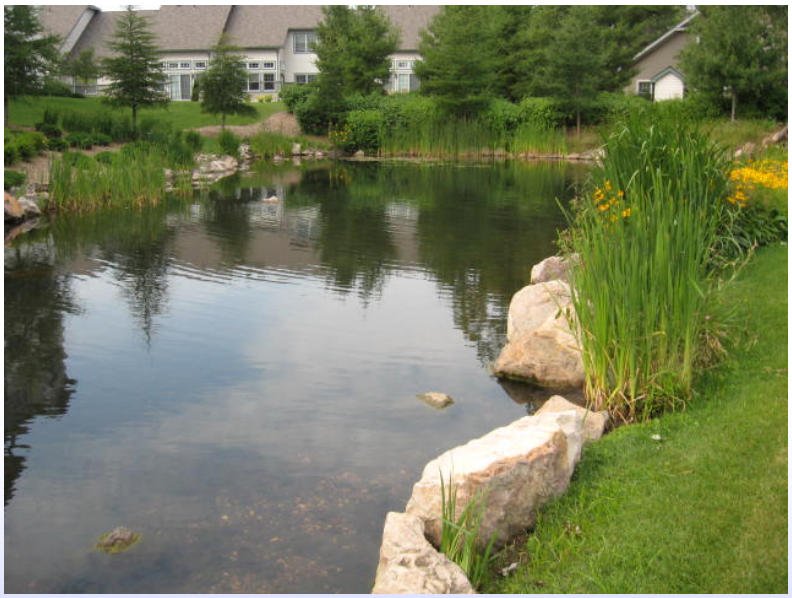
Above: Placing Pond Logs in the waterfall facilitates mixing and dispersion of the polymer material

Applied Polymer Systems, Inc. was enlisted to help remove the excess inanimate nutrients and suspended sediments and improve the appearance of the ponds. The pond water was tested in order to find a site specific Pond Log to flocculate out inanimate nutrients and sediments from the ponds. Once the correct material was specified, Pond Logs were placed in the waterfalls (2 Pond Logs per pond). Placing the logs in the waterfalls facilitates mixing and dispersion of the polymer material. Once in the water column, the log material binds with phosphorus and other particulate and sediment to form heavier, larger conglomerates that settle out of the water column, thereby reducing turbidity.

Innovations

In Pond & Lake Management

Above: Pond Log material binds with phosphorus and sediment to form heavier, larger conglomerates that settle out of the water column.



Above: Phosphorus, inanimate particulate, and sediment are flocculated out improving water quality and clarity.

For more information on this or other Polymer Enhanced BMPs contact:

Applied Polymer Systems, Inc.
678-494-5998
info@siltstop.com

In a 1,000 day study by the Reedy Creek Water Management District beginning, 2005, Pond Logs have been found to reduce phosphorus by 75 – 90% using traditional methods of aeration and circulation. When placed in a waterfall, aeration or other circulation systems, Pond Log components are mixed and circulated throughout the pond. The phosphorus, inanimate nutrients and sediments are reduced producing a beautiful, picturesque pond.

An additional benefit to removing inanimate nutrients and turbidity is that Pond Logs are not harmful to fish or other aquatic organisms. All Pond Logs are toxicity tested by an EPA certified lab and are shown to be non-toxic to aquatic life (full reports may be found at www.siltstop.com)

After installation of the logs in the waterfalls, results were noticeable within the first month and Lakeshore Condominiums have been using the system for nearly eight years. The Pond Logs are replaced about once a month (except in the winter due to freezing of the ponds). The method is very simple, requiring little to no maintenance with excellent quality of water as an outcome. The Pond Logs clean the rocks and the pond water itself is clear and beautiful.

The results are clear…literally. Within a few short weeks, the ponds at Lakeshore Condominiums have become beautiful water bodies that all the residents can enjoy.