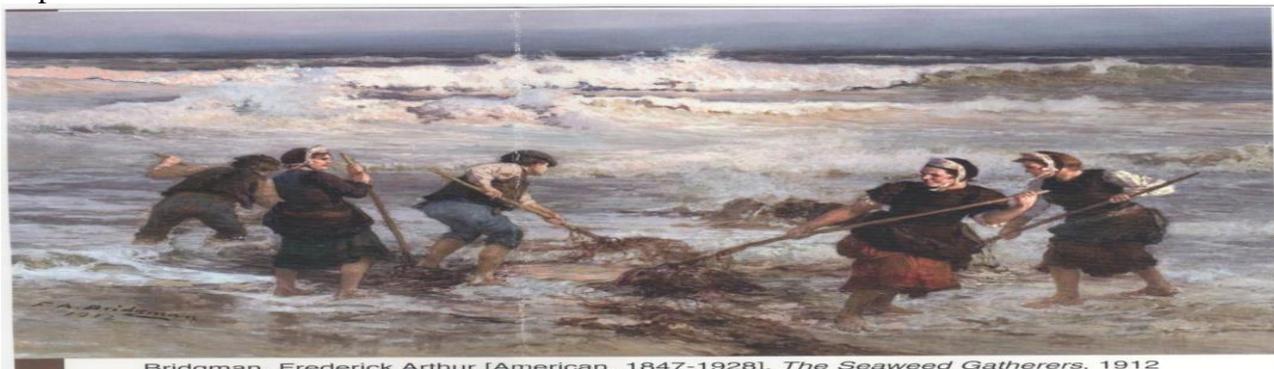


Sanitary Sewer System

This spring the District eliminated 5 sources of clear water Infiltration into the sanitary sewer system. The sources of clear water infiltration were a combination of leaky laterals, lateral connections and a leaking 18” sanitary sewer main. It was estimated that the repairs stopped an estimated 20-25 gallons per minute amongst the 5 leaks that were repaired. This unnecessary clear flow is equivalent to the same as having another 175 homes added to the system without paying user fees. The District (and the users) pay for the City of Brookfield to treat our wastewater. We are charged by the number of gallons we send to the Brookfield treatment plant. If we are adding clear water to that volume we are paying to treat water that does not need treating. The Lake Pewaukee Sanitary District has an aggressive maintenance system to eliminate these leaks to keep the user fees and treatment facility costs down. While we work consistently on finding these Infiltration and Inflow (I&I) sources, the biggest and hardest problem to solve is the leaky private laterals and the sump pump connections. This is where teamwork and cooperation is needed from the system users. Providing access to televise the laterals that have been leaking allows us to determine repairs. The District has a support fund set up to assist homeowners in sharing the cost of repairing the laterals. The televising allows the homeowners to see a problem (tree roots or a broken pipe) that may exist which can lead to basement sewage backup. Working together eliminates backups and clear water infiltration. We will go into more detail on how you can help yourself and all the users save money on unnecessary treatment in the winter and Spring newsletters. For more detailed information about our sanitary sewer system visit our website at lakepewaukeesd.org

Lake Operations

The lake crews are in full swing for the 2011 season and the aquatic plants have really taken off. While the non-native Eurasian milfoil seemed to be on a slow start, the cool weather and cool lake water temperatures seem to be expediting the growth of the milfoil in certain areas. Fish locators show the weeds growing in depths of up to 18 feet again this year which is most likely from the clear water and the sunshine reaching greater depths in the last few years. This clarity appears to be attributed to the increased growth of the zebra mussels and zooplankton which feed on algae. With this increased clarity and a sunny hot summer (If it gets here) we can expect the weeds to be going strong again this year. While we are putting the crews in full force, we can't emphasize enough how much more efficient we can remove the weeds if the lake property owners participate in the pile pick ups on Mondays and Fridays. The Lake Pewaukee Sanitary District started this process several years ago and to date, other Lake Districts have been following our lead. This process takes teamwork. Since the 1800 -1900's teams of people have been raking and piling weeds on the shorelines for disposal.



Bridgman, Frederick Arthur [American, 1847-1928], *The Seaweed Gatherers*, 1912

Lake Operations

On Mondays and Fridays we send crews out to pick up piles of weeds that the lake homeowner's have stacked up on the shoreline. While this does take effort from you, this effort goes farther than you think. Weeds you pile up help us remove even more Eurasian milfoil fragments from the lake and prohibit their reestablishment. If your weeds are piled we can move around the lake quicker, pick up more weeds faster and it allows us to clean more shoreline and harvest more milfoil.



Lake Equipment reminder –

The Harvesters (weed cutters) are Yellow. They are cutting on Mondays, Tuesdays, Wednesdays and Thursdays. The harvesters do not cut on Fridays so we can focus on cleaning up the cut weeds (the floaters) to prep the lake for the recreational users over the weekend whether you are sailing, fishing, skiing or just on a scenic cruise.

The Shore barges (weed pick up – floaters and shorelines) are Orange. They are out everyday, picking up floating weeds and weeds along the shoreline.

The Transporters are Blue. They are out everyday and they are used for unloading Harvesters and Shore barges to transport the weeds across the lake. They hook up to the conveyor which loads the weeds into Big Red (the big red dump truck). The Transporters are also heavily utilized in pile pickups on Mondays and Fridays.

All equipment and lake staff are scheduled daily based on weed status and wind directions. The schedules are always subject to weather conditions. Old Mother Nature can shut us down at any time. While we will work in rain and windy conditions, we pull the crews off the lake when the winds get too strong and/or lightning is observed in the area.

Remember if you want your shoreline looking mint for the Holiday weekend (or any weekend), help us, help you, by stacking the weeds in piles for Fridays pile pick up. Remember to stack the weeds where they are accessible for pick up with our large Shore barge or transporters.

Visit our website for a detailed explanation of equipment and their uses at lakepewaukleesd.org