

Dougherty Lake – Feb 2023 Lake Trustee Report

The focus has been to address issues identified Reitz & Jens (Engineering firm that performed the initial design of the dam). Then to identify and fix issues causing the most expense.

Lake:

The new aerator system was in place all last year. This has been a success. We are spending \$2000 to \$3000 less **each** year on electricity alone. More importantly, maintenance was costing \$5,000.00 to \$10,000.00 almost every year on the old fountains. The bubblers actually provide better and more complete aeration than the old fountains.

We used a contractor for lake treatments in 2022. He was effective and able to do the job for less than we would have spent on chemicals alone. Treatments start in April

The lake was stocked in 2022. I plan on stocking the lake again in 2023. It has beneficial effects on the health of the lake and helps keep the insect population down.

After a bit over a year of planning, design, review and coordination we have a new grate on the overflow structure. That was long overdue. It is stronger, safer and easier to clean. In addition, I had the tool for the large valve in the overflow structure modified to make it easier to use. Exercising the valve is a critical and mandatory task.

The large wooden sign was refinished last year, but it's showing its age and might have to be replaced in the future

Lighting

Most of the cost was for either repair or cleaning. The previous contractor that we used for cleaning in the last two years seemed to have issues. Was able to get it done for less cost and did a much better job. Plus they were able to bring my attention to repairs that were needed. So I was also able to replace a couple of damaged domes and other parts. When the weather warms up a bit I will replace more broken globes.

We have some conversion kits to convert as many two-bulb street lights to the four-bulb configuration as possible. I'd like to get all the cul-de-sacs converted first. However I would like to convert **all** remaining lights to the 4 bulb configuration. There are several benefits to this besides the additional light.