

# Expansion of Penn State Lehman Pond for the Benefit of Students and Wildlife Proposal



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## Objective

To propose an idea to expand Penn State Lehman's pond in order to benefit the people of campus, the campus's wildlife, and science majors at Penn State Wilkes-Barre. We'd like to greater diversify the wildlife on campus along with giving the science majors an opportunity to do some much needed in the field research instead of always having to work in the lab.



Figure 1. Penn State Lehman's pond as it sits now. Notice the absence of any kind of wildlife activity

## Process

Notice the thick green covering on Penn State's pond in figure 1, not only is the pond the size of a large puddle as it sits but it also is not very eye appealing at the moment. There is not even a glimpse of any type of wildlife around this pond. Examining figure 2, this is a pie chart that represents the expenses necessary to making the pond look similar to the pond in figure 3. Expanding the pond, adding vegetation, pea gravel, a new water pump, and stocking it with 15 largemouth bass and 150 bluegill will cost somewhere in the ball park of just under \$16,000. Making this investment will result in the pond looking almost identical to the pond in fig 3, which is a homemade pond built by Redmond Logging and Excavating. The only difference would be that Penn State's pond would be slightly smaller but the vegetation and clarity would look the same.



Figure 3. This is an after expansion picture to give an idea of what the pond will look like.

## Results

In a small time period of 18 days Penn State Lehman's pond would become an amazing place to visit and relax to not only students and faculty, but to people also living in the area. Science majors would have a new place to do in the field research and students would finally have that peaceful, eye appealing place to catch up on studies on a beautiful day, or maybe do a little catch and release fishing between classes. Figure 4 below shows the result of having a pond with a healthy bass population after just a couple of years.



Figure 4. A largemouth bass caught in the pond featured in fig 3 just 4 years after it was built. This fish weighed just under seven pounds and was deemed to be a very healthy fish.

## Expenses of Expanding a Pond

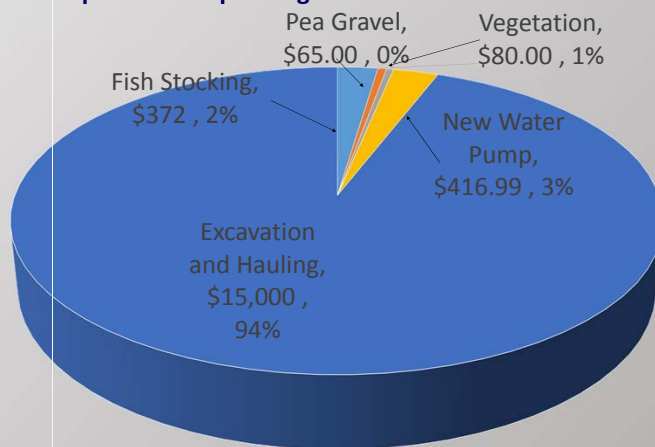


Figure 2. This pie represents the expenses of expanding the pond. Along with the cost the chart also shows the percentages of where the money will be spent

## Acknowledgments

Template modified from:

<http://www.writing.engr.psu.edu/posters.html>

Information about building a pond with a healthy fish population:

All information about building the pond and costs of excavation and hauling were provided by Stephen Jesso's uncle Bruce Redmond owner of Remond Logging and Excavation with a background in building and owning ponds with healthy fish populations.

## References

- "Cattails, Reeds, & Rushes." *Cattail and Reed Pond Plants*. Hardy Pond Plants, n.d. Web. 5 Apr. 2015
- "Pond Pumps." , *Fountain Pumps, Waterfall Pumps, Pond Filter Pumps*. External -. Pond Market, n.d. Web. 3 Apr. 2015.