

Implementation of Lake BMP Projects III

Growing Greener Plus, Project #2901

Pennsylvania Lake Management Society

Project Description- The Pennsylvania Lake Management Society (PALMS) set out to administer a mini grant program for Lake Best Management Practices (BMPs). In addition, PALMS had a second component of this project for outreach and education. This included the coordination of two annual PALMS conferences in 2019 and 2020.

Project Goals- PALMS was able to award a total of \$79,042.23 to five different mini grant Lake BMP projects. Two of the projects Kyle Lake (\$18,426.30) and Chapman Lake (\$20,340.93) focused on shoreline stabilization. The other three, Harvey's Lake (\$20,400.00), Pine Run Reservoir (\$5,000) and Lake Alden (\$14,875.00) were for treatment of aquatic invasive plants.

Project Results- Two of the mini grant projects provided shoreline stabilization, restoration, and upslope stormwater improvements. This included; 505 feet of shoreline stabilization with saw tooth deflectors and 383 linear feet of trees shrubs and grasses for a riparian buffer. These practices will provide reduction in upslope runoff and erosion, nutrient reduction, and protect against wave action erosion of the shoreline. The other three mini grant projects included: treatment for infestations of aquatic invasive vegetation at Harvey's lake for the control of Hydrilla; treatment, prevention, and education for Hydrilla at Lake Alden; and a rapid response treatment for a newly discovered infestation of European water chestnut on Pine Run Reservoir. PALMS Conferences in 2019 and 2020 saw a total of 220 attendees.

Pictures- Left to Right- Before picture of Pine Run herbicide treatment, After picture of Pine Run treatment, Completed saw tooth deflectors at Chapman Lake



Project Costs- \$103,068.00

Lessons Learned- We feel the success of the mini grant program is due to lessons we as an organization learned and continue to learn each time, we run a mini grant program. Continuing to make this mini grant program more efficient and user-friendly helps provide funds to projects that need it and quickly, like the rapid response treatment on a new invasive infestation at Pine Run.

Contact Information- Pennsylvania Lake Management Society, Kate Harms at kharms@palakes.org