

Muckbiotics Case Study

Introduction

This study was done to see the cost effectiveness and efficiency of Muckbiotics compared to other forms of muck degradation. The customer stated that she had dredged part of the pond before, and was looking for another method that wasn't as invasive, and potentially more cost effective. She agreed to try using Muckbiotics as a way to manage the muck in her pond.

Information

Total size: 5 Acres

Target Area Size: 1 Acre

Average Depth: 7.26 feet averaged from 17 points

Date: 4/24/2026



Red outline is total area of one acre.

Green outline is an area of .16 acres that was complete stone with no muck. Average depth of that area is around 3 feet.

Average muck depth taken at the initial time of the study was 17.125 inches.

Pond is surrounded by Maple, Oak, Cottonwood, and Arborvatae trees.

Application

Target rate for target area was 250 lbs of Muckbiotics per acre. After accounting for the stone bottom area, the rate was closer to 275 lbs per acre.

Muckbiotics were applied in the following timeline:

- 60 lbs on 5/14 applied with a blower initially and then by hand
- 90 lbs on 6/17 applied by hand
- 100 lbs on 7/10 applied by hand

Result

New depth study was taken on 7/16

Results showed varying results across the target area. Muck was degraded anywhere from 2" up to 16"

After depth test was done, it averaged over the 1 acre area to 6" of muck degradation.

\$3000 @ \$12.00/lb

\$500 per inch of muck per acre