



Crystal Lake Dredge Project Update
March 15, 2017

Project Description:

The project will consist of dredging up to approximately 51,500 cubic yards of sediment from Crystal Lake to a maximum depth of 8 feet, and a small portion of Elginwood Pond. The dredging footprint will generally be at least 25 feet from shallower vegetated areas along the shorelines and shorelines along infrastructure, with the exceptions of areas needed for access and limited locations for fishing access, and cut slopes will be six units horizontal run to one unit vertical rise of flatter to maintain sediment stability. The work will be performed via dry mechanical dredging, with ponds drawn down through a combination of pumping and infrastructure modification to allow access through the pond bottoms for heavy machinery and trucks to promote drying of the sediment. The sediment will be excavated, loaded, and hauled off site for reuse or disposal.

The project will consist of dredging an area of up to approximately 7.8 acres of Crystal Lake and, if necessary to remediate dewatering discharges, a small area at the eastern edge of Elginwood Pond, as well as constructing a public park area adjacent to the intersection of Lowell Street and Crystal Drive in an upland area of approximately 15,800 square feet and a new footpath and overlook on the south side of Crystal Lake in an upland area of approximately 3,300 square feet.

Project Contact:

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| • Ed Colbert- | Neighborhood Representative | 978-854-3558 |

Project Schedule:

- Dredge Work: December 2015 through June 2017
- Park Constriction: June 2017 through September 2017

Completed Work since 1/9/2017:

- Pumping and draining of Crystal Lake continued
- Initial dredged sediment passed the paint filter test and was hauled to the landfill
- Composite mats had been mobilized to test use
- Stone berm 'bin' created near the staging and access area constructed. Additional stone was also brought on site to supplement the bin and to supplement the intake sump
- Composite mats deployed
- Contractor using DEP approved Kiln Dust as drying agent for dredged material

Planned Work:

- Pumping will continue
- Excavation and stockpiling to continue
- Hauling Material off site for disposal