

ALA Boat Ramp / Launch Project Recommendations

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Problem: ALA Boat ramp launch is chronically uneven.

Solve for: Underwater Current, Boat Launch Throttling, Uneven Launch

Current State:

Launch declines from 0" to ~ 72" by the end of the plastic boat ramp. This is also the end of the cement/concrete pad. At the end of the pad there is a drop off to ~ 84". The depth immediately decrease to ~ 36" post plastic boat ramp. There an ~ 12" difference in the depth from the plastic to wood dock with the deepest portion being toward the plastic dock.

Current Recommendation:

Homeowners in good standing utilizing the ALA boat ramp should launch as close to the plastic dock as possible. Rear tires of towing vehicle should touch the water. This should allow for the wheels of boat trailer to be on the ramp pad at 16' - 20' into the water and in ~ 3' - 4' of water. In no case, do we recommend your trailer tires going past 24'.

Current and Historical Solution:

Dig out boat ramp annually to inspect launch, and prepare the launch to the best of ability for the following boating season. Material is removed and used to reinforce break walls. Dredge is from 1" - 48" of water depth unless lake is lowered beyond winter pool for maintenance.

Potential Systemic Solutions:

Status Quo - Dig out Boat Launch Annually
Educate Boating Population to stop throttling boat at launch / trailering

- Barrier: Labor Intensive; Short - Term fix
- Barrier: Non-Compliant Homeowners
- Barrier: Requires Lake Raising / Lowering Annually

Determine plausible manufactured berm to retard sediment wash

- Barrier: Expense, Potential intrusion, experimental

Install ramp w/extension to include a Berm to mitigate sediment wash

- Barrier: Expense. Estimated at \$50K+
- Barrier: Potentially Wasteful (existing ramp not broken)

Install underwater fan to migrate sediment from existing boat ramp

- Barrier: Electricity
- Barrier: Underwater Pump; Estimated cost ~ \$1,500

Other and undetermined solution

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Recommendations:

Committee is meeting to explore alternate solutions.