

Original Wood docks with blocks of foam used for flotation was not enough to keep the rowers' feet dry. Docks were very old, required constant maintenance and became a safety hazard.



Three Rivers Rowing Association
Pittsburgh, PA

Greater Lakes EZ-Dock
Joel Kanick
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In the fall, the docks would be disassembled and floated to the other side of the channel for storage. They were too heavy and not stable enough to be removed from the water for dry storage.

The docks were anchored in place by their own weight and their connection to the ramp. The ramps were each hinged to the cement wall.

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This location regularly experiences upto 21' water surges. This photo was taken during a 4' water surge. Because the ramp was hinged to the cement wall (not visible here because it's underwater), the dock was only allowed to raise so far up before it was subjected to significant stress. If the water level rose any more, most of the dock would need to be taken apart and separated from the ramp so it was not destroyed.

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The top of this glass block wall represents an 18' water surge level.
This wall is completely covered by water multiple times each year.



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Downstream dock in normal water conditions.



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Each ramp and dock needed to be removed 1 piece at a time.
Once out of the water, the foam floats simply fell to the ground in pieces.
Each piece of dock crumbled because it was completely water-logged.

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Both docks and ramps were removed by our team of 8 employees in less than 5 hours.



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Each Ramp was custom made to be 20 long' x 32' wide.

Each ramp has it's own flotation and floats separately from the EZ-Dock.

This is necessary because each ramp is hinged to the existing cement wall allowing only 1 side to float up when the water surges. Whereas the EZ-Dock will float up as high as the water will surge.

These ramps and docks will remain in place all year.



The upstream dock is 10' wide x 226' long x 8" high (5.5" freeboard). It has 7 anchoring pilings that are 12" wide x 40' long. This custom ramp and dock was installed in 6 hours.

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The downstream dock is 10' wide x 313' long x 8" high (5.5" freeboard).
It has 9 anchoring pilings that are 12" wide x 40' long.
This custom ramp and dock was installed in 6 hours.