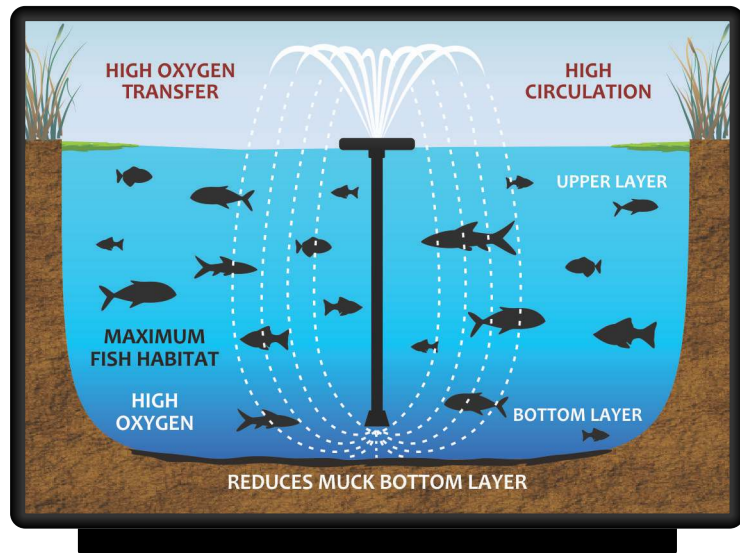
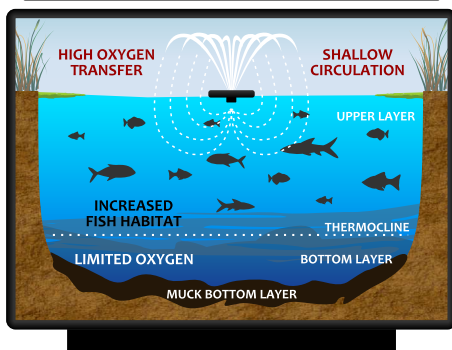
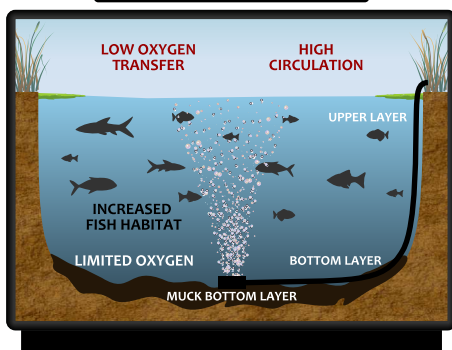
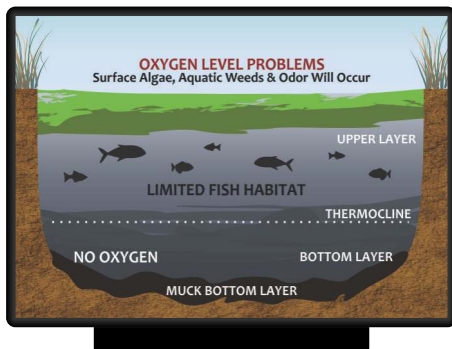


# Benefits of Proper Pond Aeration and Circulation



An average pond without proper circulation has multiple layers of water, with each layer getting colder as it gets deeper. These dark bottom layers typically have little or no oxygen, which can decrease the amount of useable fish habitat and inhibit bottom-dwelling food sources (such as worms and crawfish). Another drawback to an oxygen-starved pond bottom is that organic debris (leaves, plant material, dead fish, etc.) are unable to properly decompose. This can result in an accumulation of black, smelly, anaerobic sludge that builds up over the years, making the pond shallower. Another drawback to heavily layered ponds is that they are more susceptible to fall turnovers and subsequent fish kills.

When a pond has proper aeration and circulation, the layers in the pond are well mixed, and all zones of the pond have good oxygen levels, day and night. Organic debris can now decompose in a way that the nutrients may now enter into the food chain to eventually become more food for your fish. The likelihood of a fish kill (from natural occurrences) is virtually eliminated. A well aerated pond will have healthy and active fish, and will return to its natural, alluring beauty.

## *WaterSmith Systems is a division of Freshwater Farms of Ohio.*

Freshwater Farms of Ohio is Ohio's Largest Indoor Fish Hatchery. We are a vertically integrated hatchery, grow-out, processing, marketing, and retail operation. Farm-raised rainbow trout, largemouth bass, yellow perch, bluegill, channel catfish and more can be purchased in various sizes for pond stocking. We provide expert advice on pond setup and maintenance. It is our goal to be a one-stop source for aquaculture and pond equipment and supplies. Visit the sturgeon petting zoo, feed the trout and take a tour of our farm. Our Farm Market features fresh and smoked trout products as well as a selection of locally made jams and jellies, maple syrup, pottery and gifts. Visit us at [www.fwfarms.com](http://www.fwfarms.com) for more information.

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