

The purpose of Muddy Creek project is to engage greater than three quarters of all of the farmland and domestic animal units in this small watershed in the WSI Continuous Improvement Plan. We have conducted assessments and developed plans for these farms and will monitor implementation, operation and maintenance of existing and planned BMPs to estimate reductions using our WSI nutrient load reduction software. Concurrently with this work, Virginia Tech will monitor water quality at multiple locations in the Muddy Creek watershed.

This is planned to be a long-term project that will assess expected reductions against monitored reductions in a catchment where implementation, operation, and maintenance is monitored concurrently with water quality. The results to date are that we have conducted the assessments and developed the plans and the monitoring is in place. The project will continue so that we will be able to determine if effective estimates can reasonably be expected to predict actual improvement in water quality which will allow refinement of BMP efficiencies and expectations of on farm water quality planning.

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If you want additional information please contact Dan Kaiser, WSI Project manager, who is coordinating field activities and developing Continuous Improvement Plans.