

# Virginia TMDL Implementation Project Report PIGG RIVER

## Virginia Nonpoint Source MANAGEMENT PROGRAM

### Project Location and Background

The Pigg River is located in Franklin County, Virginia. An implementation project to address a bacteria impairment on the river and its tributaries was initiated in 2006. The Virginia Department of Conservation and Recreation (DCR) contracted with the Blue Ridge and Pittsylvania Soil and Water Conservation Districts and provided funding from the Water Quality Improvement Fund (WQIF) for implementation. The project summary provided includes progress made by the Blue Ridge SWCD in the Upper Pigg River, Story Creek, Chestnut Creek, and Snow Creek watersheds.

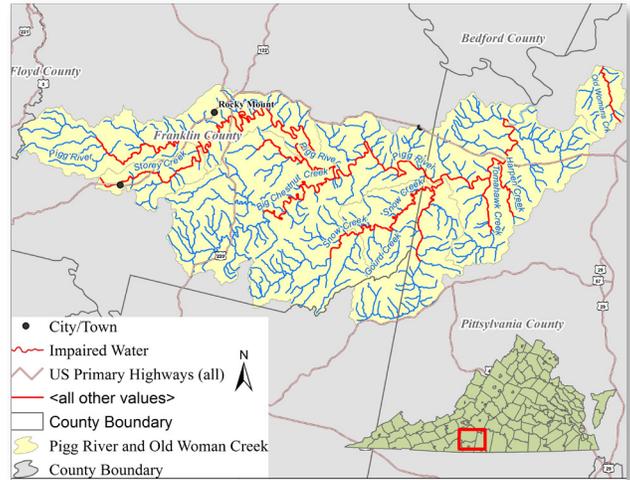
### Implementation Highlights

Table 1 lists BMPs implemented in the watersheds between 2006 and 2014. DCR discontinued the implementation project at the end of FY2015. These BMPs were funded with state WQIF/VNRCF targeted TMDL cost-share funds. The total cost-share payments for BMPs installed throughout the project period are \$1,588,908. Eighteen on-site sewage disposal practices were installed in the watershed in FY13, these included replacement of 16 failing septic systems and the repair of two septic systems. A total of 38 miles of livestock stream exclusion fencing has been installed through TMDL practices, constituting 60% of the fencing goal in the TMDL implementation plan.

**Table 1.** Pigg River BMP Summary: 2006-2014

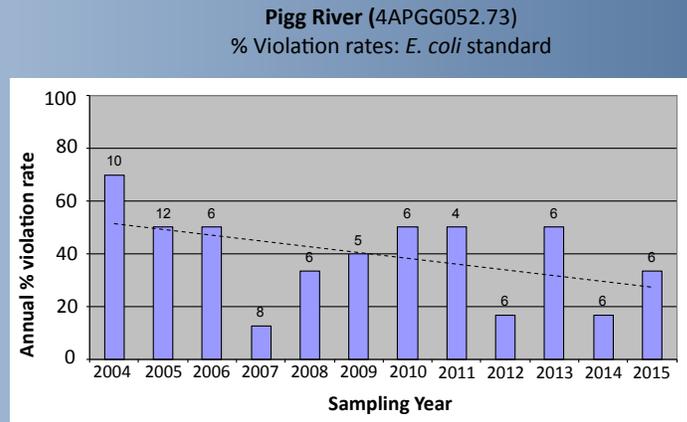
*BMP code	Units	Installed
FR-1	Acres	82
LE-1T	Feet	110,547
LE-2T	Feet	1,784
SL-6T	Feet	71,230
SL-8B	Acres	3,335
SL-8H	Acres	2,953
SL-11	Acres	10
WP-4	Syst.	2
WP-4B	Syst.	10
RB-3	Syst.	2
RB-4	Syst.	14
RB-4P	Syst.	2

\*For BMP code definitions, see Appendix 2 or visit the [DCR webpage](#).



### Water Quality Monitoring Results

Water quality data collected by VADEQ from 2004 through 2015 was analyzed to determine the impact of BMPs on *E. coli* violation rates and associated long term trends.



The bar graph above shows the percent violation rate for samples collected annually that did not meet the water quality standard of 235 cfu/100 mL. The number of samples collected each year is shown above each bar. The linear regression fitted to the data shows a decreasing trend in violation rates over the sampling period, **indicating an improvement in water quality in Pigg River.**



**For more information, contact:**

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